

**MILL WORK**  
REGISTERED

**1928  
EDITION**



# *Homes of Comfort*

**JOHN H. BOGART**

CARR-CULLEN CO.

**BILT + WELL  
MILL WORK**

REGISTERED

752 VANDALIA ST.

ST. PAUL, MINN



# HOMES OF COMFORT

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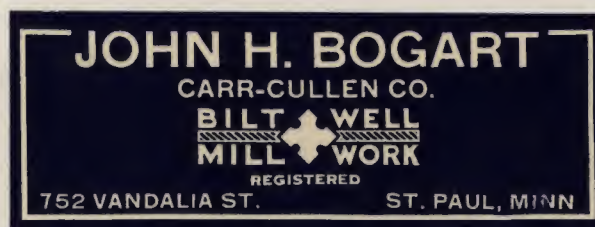
1.9.2.8 EDITION

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*74 Designs of Moderately  
Priced Homes—A Varied  
Selection of Modern, Artistic  
and Practical Homes*



Complete Plans and  
Material Lists are  
Available For All  
Designs







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THE Homes in this book are not designed as to special class or size. In general the large homes are toward the front of the book and the size graduated down to the bungalows but they come under no particular size specification, or classifications as to material used.

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# INTRODUCTION

**T**HE governing thought in compiling this book, HOMES OF COMFORT, has been *Flexibility*. A home for every desire and demand. There is every conceivable type of home offered from the bungalow to the mansion in brick, frame, or stucco and the floor plans, size and layout are equally flexible in their design. Many ideas are offered in the arrangement of floor plans that can be altered very easily to suit the individual requirements. We would not like to have you consider any one home as a unit. Do not condemn a home because one or another detail is not satisfactory. If the home you choose is not shown in the kind of material you would prefer by comparison with one of the other designs visualize it in stucco, frame, brick or whatever your choice might be and the plans can be altered to specify the material of your selection. So we say the designs in this Plan Book are flexible. Consider one plan with another. There is a world of good ideas in this 1928 Plan Book, Homes of Comfort. The homes in this book are practical workable plans. To assure this all reproductions were made from actual photographs, homes that are a reality, not dream houses and the designs are representative types that are being built in American cities.

Plans, Material List and Specifications for any of the designs shown in this book will be furnished on request. Special Plans will be drawn to your order, if no plan in this book is found suitable. In cases of this kind a sketch should be sent, with an illustration of some other design from which you received your idea, with notes on the changes wanted or pointing out any variation.

*Refer to page fifty-five for a more comprehensive explanation for ordering.*

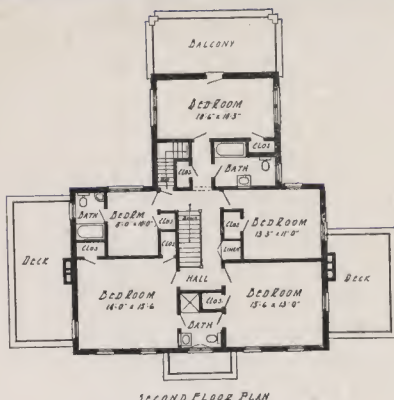




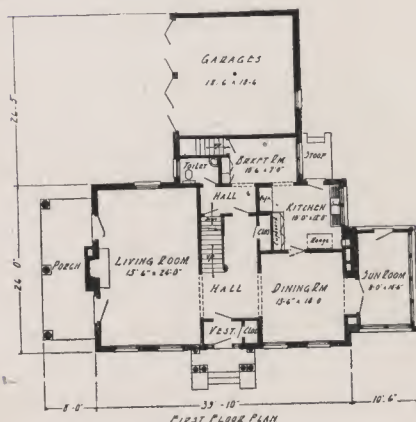
HOME BW-800

## Spacious and Very Well Designed

Size: 39'-10" x 26' ft.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

THERE is comfort in roominess and this home has an abundance of room. It is a practical home of the larger type with unbroken walls and a rather simple roof. There is little to be said and much to be observed in the floor plan, with no waste space and everything conveniently arranged for maximum comfort. It would take many words to enumerate all of the many attractive features of this plan. Outstanding, however, are the private baths and the breakfast room through which an entrance could be made to the garage which is attached to the home. Abundant closet and storage space is provided on both floors and the lavatory downstairs will be an appreciated convenience. This is an unusual home of the spacious type. If desired, it would with the proper treatment look as well in stucco as it does in brick.



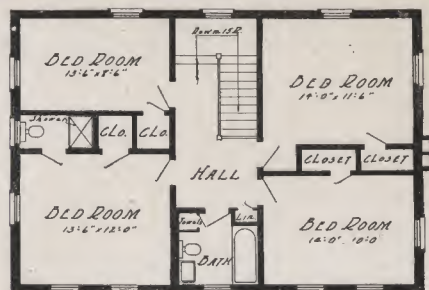


HOME BW-802

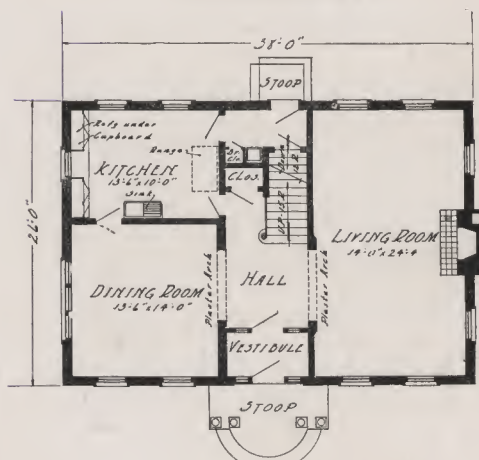
## Harmony in Good Colonial Architecture

Size: 38 x 26 ft.

**T**HIS very attractive home, an interpretation of the southern colonial mansion, is beautiful in proportion, interesting in detail and decidedly planned for comfort and convenience. It expresses a dignity that is desired by home owners. The floor plan is not unusual, in fact, it is quite usual because it would be hard to improve upon this arrangement which has been perfected in previous homes of this type. The entrance hall with the roomy vestibule can easily be visualized as an interesting picture, with an attractive Colonial stairway with spiral turnout and with a cased opening to the right and left looking into the attractive living and dining rooms respectively. Wonderful light offered by many windows is truly an asset, further than this windows are placed in such positions that cross ventilation is accomplished in every room.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

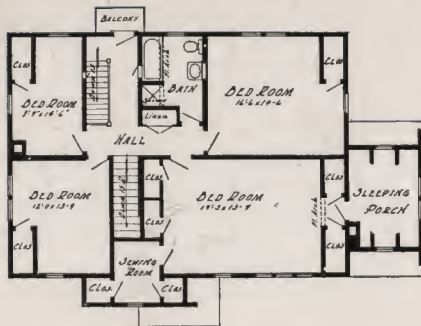




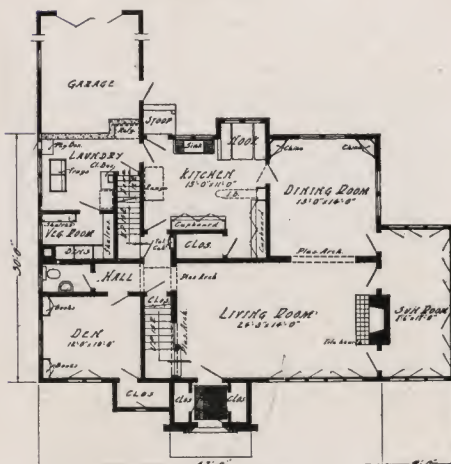
HOME BW-805

## A Stucco Home of Unusual Treatment

Size: 42 x 30 ft.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

**B**ALANCE, proportion, and pleasing design characterize this home. Reproduced in color it would be a home that one could not well turn the page upon without careful study. Illustrated as it is here it is necessary to visualize the color effect, a warm tone of stucco, timbers, and wood trimming in a dark stain and a colorful variegated roof; all this emphasized with a well designed stone entrance would offer a very pleasing effect. In the plan the laundry and vegetable rooms on the first floor are an innovation and on second thought a clever idea in arranging things conveniently for the housewife. A den or study is one of those rooms we would like to have if it could just be arranged and in this home it is provided. As a thought for utilizing the spacious attic a stairway could lead up from the sewing room.



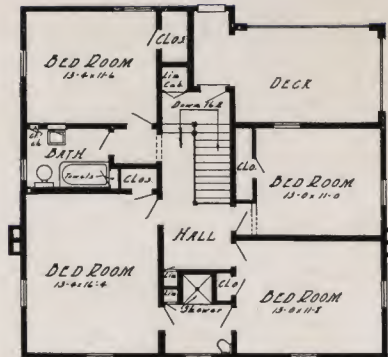


HOME BW-807

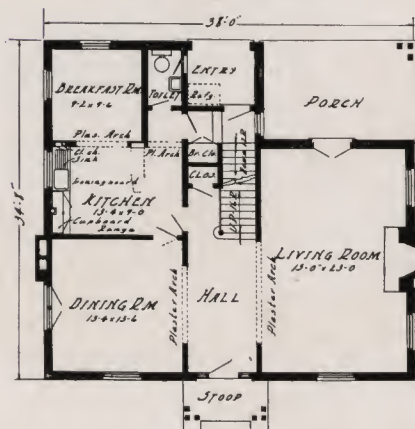
## Brick and Stucco for the Dutch Colonial

Size: 38 x 34-8 ft.

THIS floor plan is just about as clever as anyone could wish for, offering many features. The spacious hallway has plastered arches to well proportioned dining and living rooms. The porch provided at the rear of the living room can be open or closed as desired. The first floor lavatory is a feature in any home. The double plastered arch leading from the kitchen to the rear hallway and breakfast room is surely attractive and practical. Ample closet space is provided upstairs. The deck over the porch below could be converted into a sleeping porch. The exterior of this home is attractive as shown in the combination of brick and stucco in the Dutch Colonial design. Other materials could be used, and it would also be very easy to apply an entirely different architectural style to the elevation still retaining these very good floor plans.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

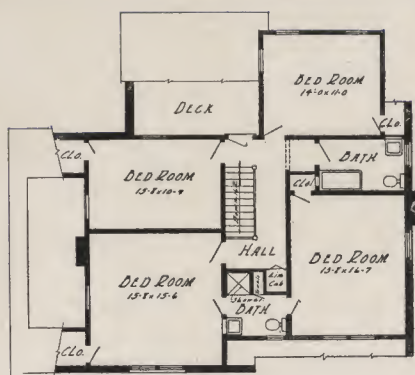




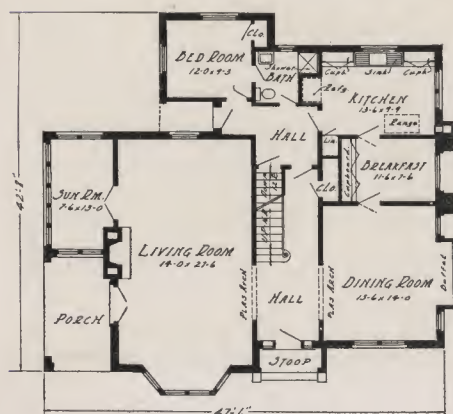
HOME BW-810

## The Floor Plan Spells Comfort

Size: 47-6 x 42-8 ft.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

**W**HAT a wonderful floor plan providing all of the essentials that go to make the house a home! The spacious hallway has a spiral turnout stairway and a large coat closet. To the left and right through plastered arches are the spacious living and dining rooms. The mantel is flanked with French doors, one pair opening into the sun parlor and the other onto an open porch. The very desirable breakfast room contains a cupboard of good size. A complete bath room is also provided on the first floor connecting with maid's room. On the second floor large bedrooms and two baths are provided. Although the brick elevation is attractively designed, consider this home in the English half timber type. The lines of the roof, the entrance, and the side porch suggest details that would result in a very beautiful English half timber home.





BW-1146

## Breakfast Nook

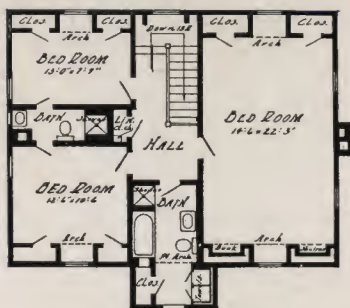
AS THE mantel is the center of the home in the evening, so is the breakfast nook the center of the home at meal time. It is true that many homes have dining rooms attractively furnished but the convenience and the coziness of the breakfast nook is missing in the dining room. As a practical convenience there can be

nothing in the home that will save more steps and unnecessary labor. "Bilt-Well" nooks are well designed and well constructed; the application of an attractive paint combination accentuates their beauty. The large catalog of "Bilt-Well" millwork suggests other designs equally attractive which will fit into your plans.

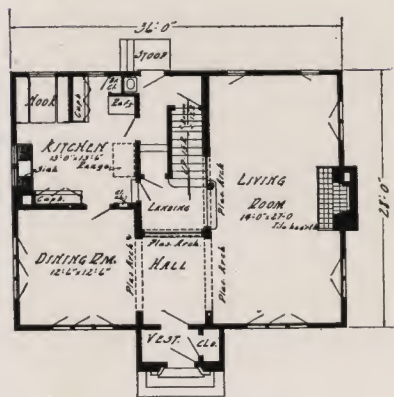




HOME BW-812



SECOND FLOOR PLAN



FIRST FLOOR PLAN

## Visualize this Attractive Design in Color

Size: 36 x 28 ft.

IN LOOKING at this exterior consider the convenience and many desirable advantages of the floor plan. One immediately presumes that this home has been given special attention by the designer and in this case the presumption is correct. This home was first built as a model home. Thousands of people have passed through the original home from which this photograph was taken and all have praise for the beautiful harmony of proportions and details, for the conveniences and practical ideas.

As we look from one room to another in this home we realize that a home is no more interesting than its smallest detail. A home in the final analysis is nothing more than accumulation of details and the final results are dependent upon the harmony of these details. This home in its final result indicates that careful study of details, both the interior and exterior are truly harmonious and as a result, truly beautiful.



## Artistic Cabinetwork



BOOKCASE BW-1141



BW-1144



BW-1098

**I**LLUSTRATED on this page are items of cabinet work that should be placed in the home to give that finishing touch of convenience and beauty of design. The designs that are shown are meant to be suggestions. These designs may not be in keeping with the type of architecture you have chosen for your home, accordingly, we refer you to the large catalog of "Bilt - Well" Millwork which illustrates a wider selection of cabinet work designs.



CORNER CABINET BW-1010

**A**TTRACTIVE cabinet work is really the foundation of interior beauty. Usually the color and pattern of the wall paper and paint finish are given the most careful thought. Either of these items are secondary, in that they are rather flexible items that can always be changed. Millwork is the permanent furniture of the home. It should be chosen very carefully to assure the selection of designs that are in proper proportion and harmony with the room into which they are to be placed.

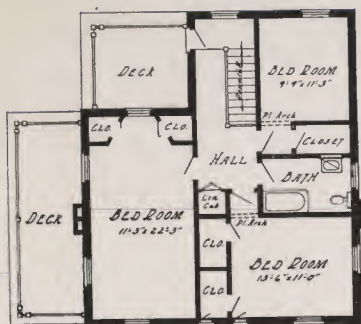




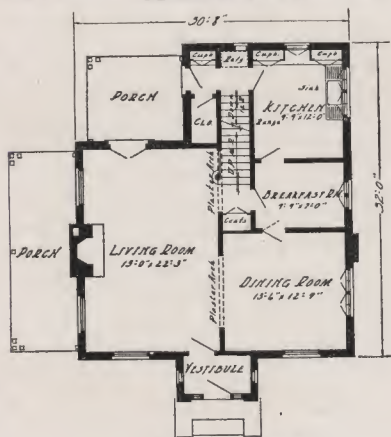
HOME BW-815

## Practicability Plus Artistic Design

Size: 30-8 x 32 ft.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

THE exterior of this home is very beautiful in the color combination suggested. It is a home in perfect balance, with harmony in color and proportion. The exterior of this home would lend itself to the floor plan shown on page seven eliminating the side porch in favor of a rear porch shown on that floor plan. This possible change is suggested to again emphasize the flexibility of homes shown in our plan book. It is difficult to find in one home all of the features that you desire so by comparing the desirable features of various homes a selection can no doubt be made to meet your every requirement. The floor plan of this home is very well designed. It embodies practically all the features of a modern home. The plan is compact, the walls are straight with no peculiar angle, consequently, inexpensive built.



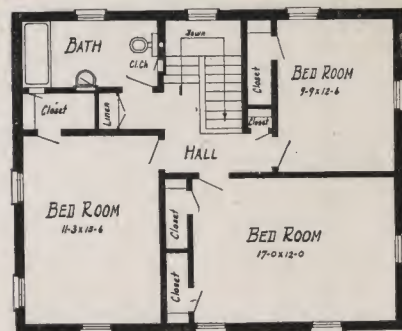


HOME BW-817

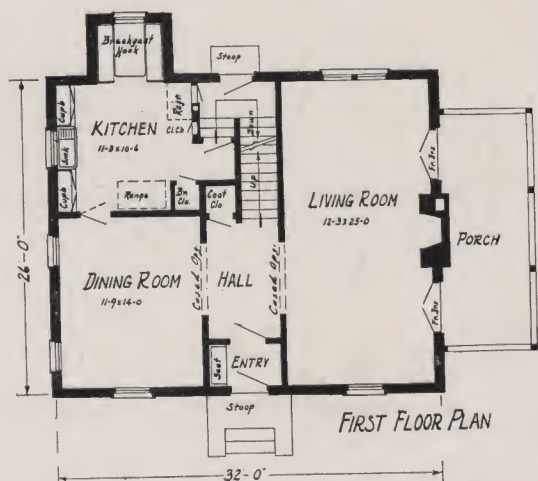
## English Colonial Design In Brick Veneer

Size: 32 x 26 ft.

**T**HIS is an excellent plan, with very little waste space. You have a large living room with a colonial fireplace and with French doors opening onto an open porch. The entrance hall is quite spacious and provides for a visitors' coat closet. Under the seat in the entry is a place for rubbers, etc. The dining room is conventional. The kitchen shows the result of studious planning with its broom closet, ample cupboard space and breakfast nook. It gives to the housewife a fine workshop. The upstairs has three bedrooms, two of them large and the usual bath room. There is plenty of closet room, with a linen closet and service closet in the hall. You will note there is cross ventilation in each bedroom. This home is true to style and architecture, and anyone building it need never fear for its authenticity.



SECOND FLOOR PLAN



FIRST FLOOR PLAN



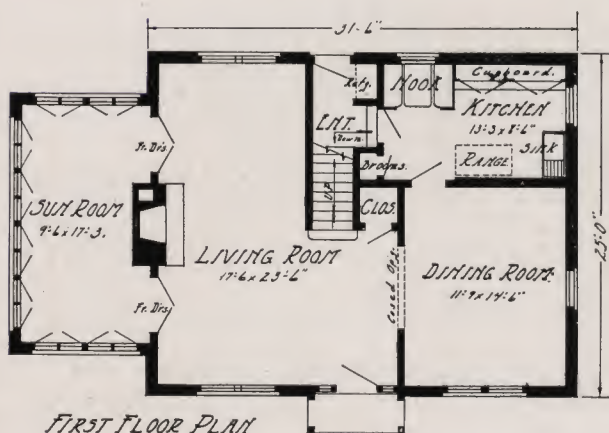
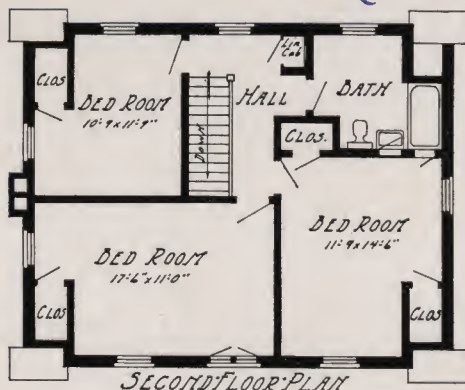


HOME BW-820

## Charming Brick Veneer English Colonial

Size: 31-6 x 25 ft.

A VERY pretty place designed for those who desire a smaller house than the pure colonial two story. This home has an exceptional layout for the one and one-half story house in that it contains much more room than the usual house of this style. There is a large living room with fireplace. French doors on either side of the fireplace open onto the sun parlor which is also very roomy. There is a coat closet just off the living room. The unique and practical kitchen arrangement allows plenty of cupboard space, and a closet for brooms and vacuum cleaner. A breakfast nook in one corner leaves nothing further to be desired. The upstairs contains three good size bedrooms with ample closet room. A linen closet in the hall and the conventional bathroom complete our description of a home that we consider well above the average.





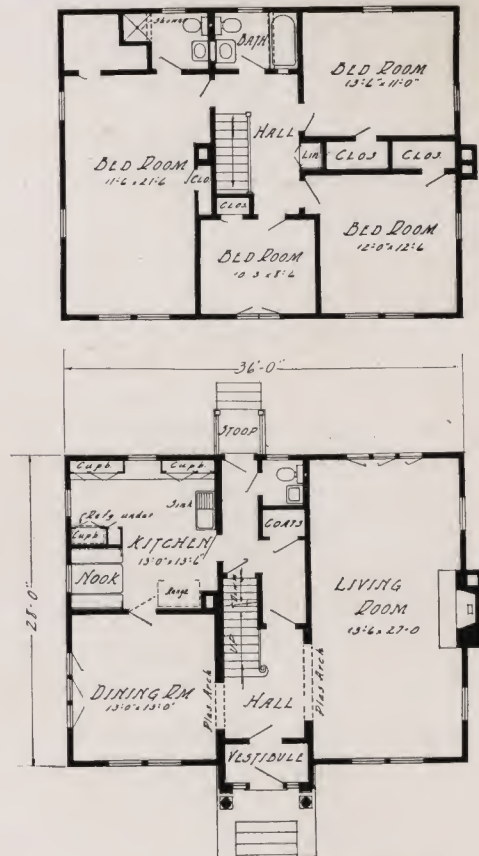


HOME BW-822

## Massiveness Broken With Interesting Detail

Size: 36 x 28 ft.

**T**HIS square stucco home is very attractive in design. Consider the possible color scheme of a subdued red tile roof, with cream color stucco, white trimming, apple green shutters, colorful ironwork, and brick to match the tile roof and your visualized effect will be beautiful in color harmony. The interior is well planned. Square unbroken walls are a delight to the planner of homes, the architect, and the home builder profits in receiving unusually good design. Note the first floor lavatory, the spacious kitchen with a built-in breakfast nook, the decorative possibilities of the living room, ample wall space, and well placed window openings. On the second floor are four bedrooms with plenty of closet space and two baths, one containing a shower and the other a tub bath.



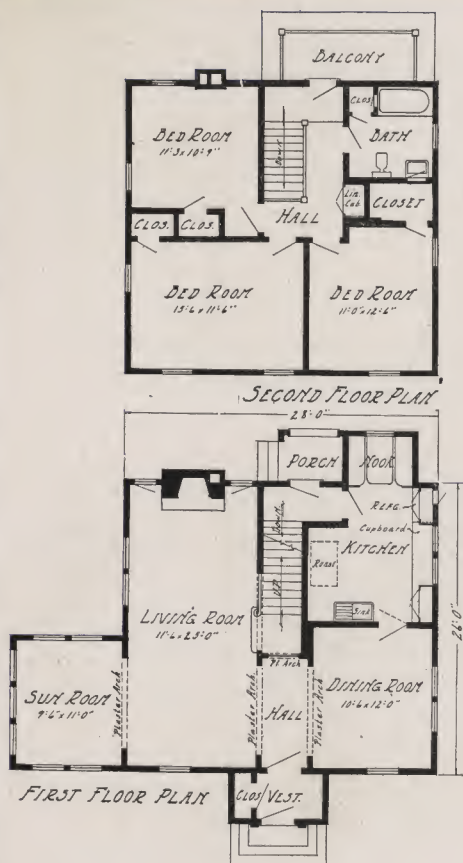




HOME BW-825

## Well Chosen Colors Enhance the Home

Size: 28 x 26 ft.



**M**OST of us want something different here and there to relieve plainness. Here it is accomplished in an economical way. A brick base, combined with the tile roof on the entrance and sunparlor, and green painted shutters give the necessary color which makes this house stand out so well. A square type house generally gives you full use of all the space. There is a coat closet in the vestibule and three pretty plastered arches in the hall. The living room is long, with a fireplace and bookcases at one end and with a pretty stairway with spiral turn. The conveniently arranged kitchen has plenty of cupboard space and a breakfast nook. There is cross ventilation in each of the three bedrooms. The bathroom plan permits of a towel closet, which will be appreciated. The balcony above rear entry porch is convenient for airing out clothes.





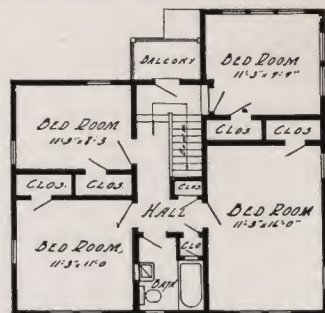
HOME BW-827

## Unusual Treatment of the Square Type

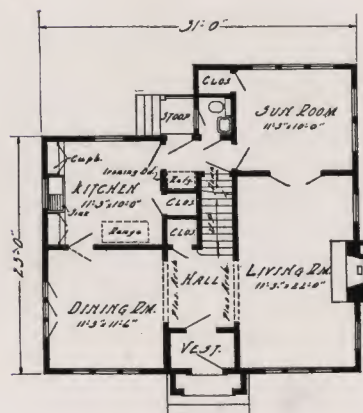
Size: 31 x 23 ft.

**T**HIS home is really a wonderful example of utilizing space to the best advantage. Into the small dimensions of the first floor plan the usual rooms have been provided, plus a sun room and lavatory. The entire plan indicates very careful study.

The kitchen arrangement is especially well thought out, all the necessities are provided for and there is ample room for the much desired kitchen table against the rear wall. Few homes of this size provide a lavatory on the first floor and the wall break makes possible a sizable closet in the sun parlor. The elevation is treated in an unusual style, attractive in that the wall surfaces have been broken with gables and an attractive entrance. If all of the homes in this book were illustrated in color, this is one home that would respond to wonderful advantage.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

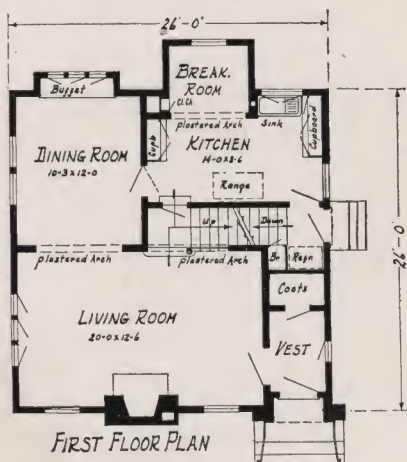




HOME BW-830



SECOND FLOOR PLAN



FIRST FLOOR PLAN

## Blending Color With Good Architecture

Size: 26 x 26 ft.

A MODERN type, which is well worth considering. Not far fetched either, the English effect being obtained with very little extra expense. The chimney in this design, being in front, stands out as one of the architectural features. The rounded doorway, the trimming in stone and the peaks give that quaint English effect, which is now quite popular. Plenty of shrubbery and a background of trees enhance the appearance of this home considerably. The floor plans show a layout of merit. The living room across the front is of comfortable size. The stairway with its plastered arch leading off the living room will make a pretty picture. The dining room is of ordinary size and provides for a buffet in a recess with casement sash above. The kitchen with its breakfast room attached is well furnished with the necessary built in conveniences that a housewife demands. You will notice a closet for brooms or storage has been arranged for on the basement stairs. There are three bedrooms upstairs, each of a good size, with bath, and a roomy linen closet.



THE mantel is often referred to as the center of the home in the evening. This picture seems to emphasize that thought; one could not easily leave this mantel to go out into the cold of the evening. A mantel's attractiveness is accomplished with proper proportions both in its details and size as compared to the room size into which it is placed.



MANTEL BW-1217



BW-1193



BW-1191



BW-1194

THREE mantel combinations are illustrated, picked at random from the large catalog of Bilt-

Well Millwork, which can be referred to for further attractive combinations and individual mantels.

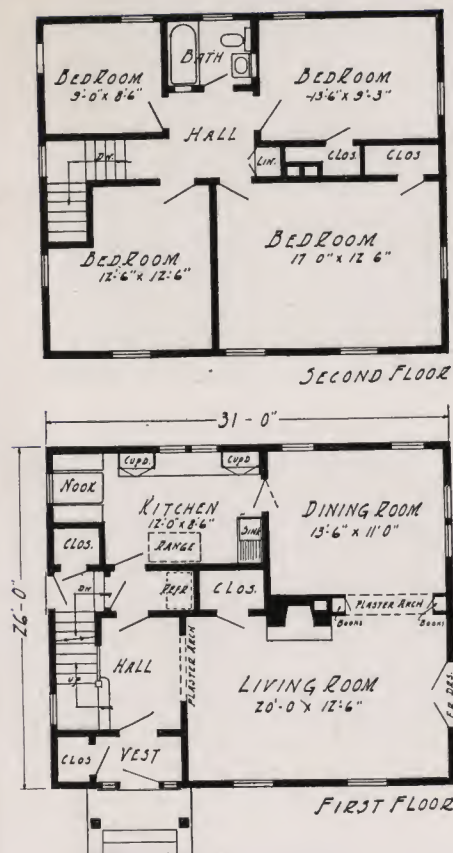




HOME BW-832

## Economical to Construct and Practical

Size: 31 x 26 ft.



THIS design with entrance on the left is a little different from the usual run of colonials, and works out a plan that is quite interesting. The fair sized living room extends across the front, with fireplace on the inside wall. The wide plastered arch going into the dining room is quite unique. There is a coat closet off the vestibule. The kitchen is spacious with a fine large cupboard extending across the windows. A breakfast nook in one corner contributes to the conveniences of this home. The upstairs has four bedrooms and bath. It is suggested this home be painted white with shutters of green or any other harmonizing color. In a setting among trees, this home would appear at its best. The trellis work on the porch is strictly in keeping with the architecture of the design, and should be carried out as shown.



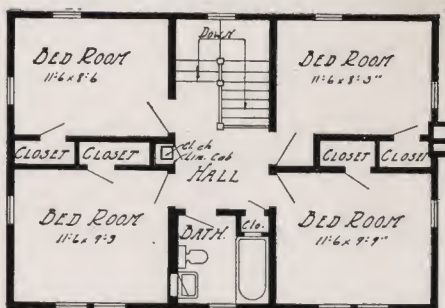


HOME BW-835

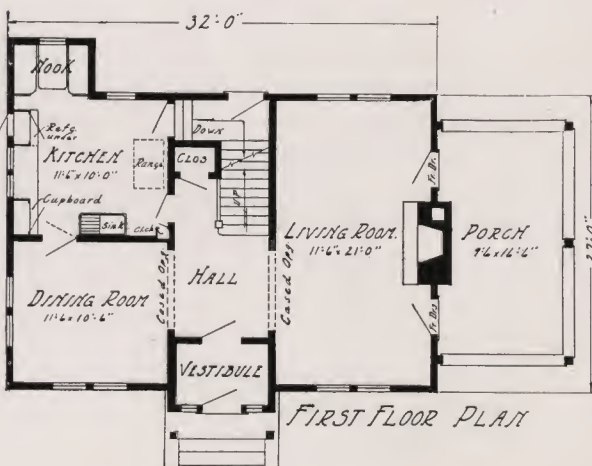
## Comfort Is Expressed In This Floor Plan

Size: 32 x 22 ft.

A ROOMY home of very nice proportions with nothing elaborate but very pleasing. The shutters are very effective and must never be omitted. The wide entrance hall has a coat closet at one end. The ideal size living room has a fireplace with French doors on either side leading to the open porch for summertime comfort. The housewife will like the kitchen with its abundant light and ample cupboard space. The breakfast nook in a home of this size is quite essential. The grade door in the rear is handy for outside entrance to the basement and the kitchen. Four bedrooms in a house are often sought not only by large families but by those that want an extra spare room, and in this home it works out very well. The clothes chute starts from the lower part of the linen closet in the hall.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

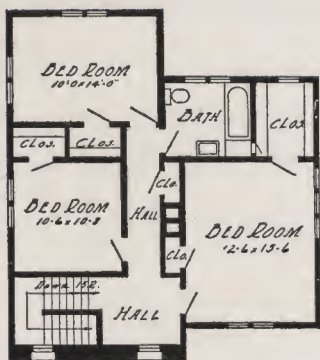




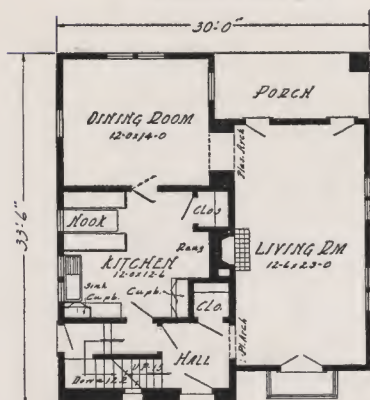
HOME BW-837

## The Italian Treatment Expressed In Color

Size: 30 x 33-6 ft.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

IN THIS home we have interesting details that classify the home into the Italian type. Although an attractive effect is accomplished, it is without numerous broken walls, roof lines, and costly details. In consideration of the very attractive design the cost is comparatively economical. The interior of the home is very conveniently arranged and it is adaptable to Italian details of construction that will be consistent with the exterior of the home. Heavy panelled doors and roughly hewn beam ceilings are the first thought in accomplishing the Italian effect. One can easily visualize an attractive mantel built up with stone similar to that used in the exterior. It may be well in carrying out an Italian interior to specify leaded glass in casement sash rather than divided windows. The kitchen in this home is roomy and well arranged and provides a convenient breakfast nook.



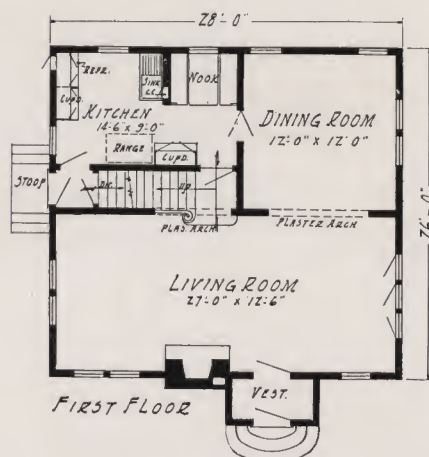
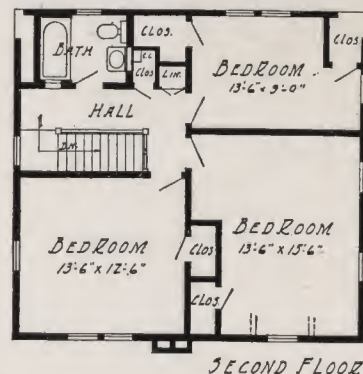


HOME BW-840

## Something Different of English Character

Size: 28 x 26 ft.

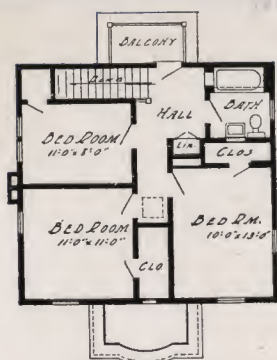
IF SOMETHING attractive, yet different, is wanted, we would recommend this design to you. The combination of a stone trimmed chimney and doorway in front lends to this home quite a little distinction. The peak heads match up perfectly and contribute much to the general English effect. The living room is extra large and will appeal to many. A fireplace of stone trimmed to match the outside is suggested to retain the home's individuality. A pretty stairway with its spiral rail and round tread leads upstairs, with a door from the kitchen for easier access. Breakfast room between dining room and kitchen is correctly placed. The kitchen is well equipped with cupboard space. There are three good size bedrooms upstairs and bath room. A service closet and linen closet in the hall amply take care of the average homeowner's needs.



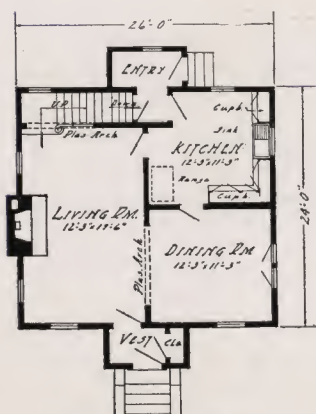




HOME BW-842



SECOND FLOOR PLAN



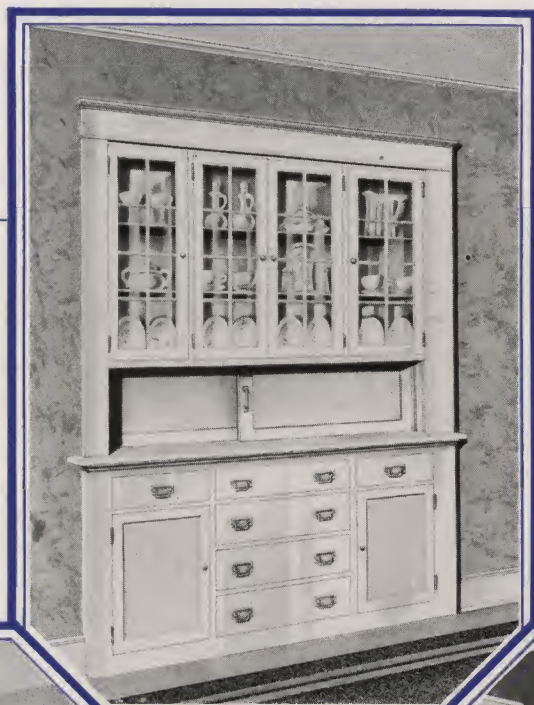
FIRST FLOOR PLAN

## A Good Design In A Small Space

Size: 26 x 24 ft.

THE straight walls and small dimensions of this home immediately establish it as an economical design to build. Although the construction lines of the elevation are plain it is made interesting with good detail; note the attractive iron grille work on the balcony and under the front windows. The recessed circular panels over the front windows break the flat wall surface, as do the blinds on the second floor windows. The floor plan is practical and the room proportions and architectural details lend themselves to tasty interior decoration. The living room is especially attractive with the fireplace centered on one wall and a stairway at one end. Through a plastered arch is a sizable dining room and at the rear a well planned kitchen. The second floor is well laid out with three bedrooms and lots of closet space including a linen case in the hall.





COMBINATION CASE  
BW-1047

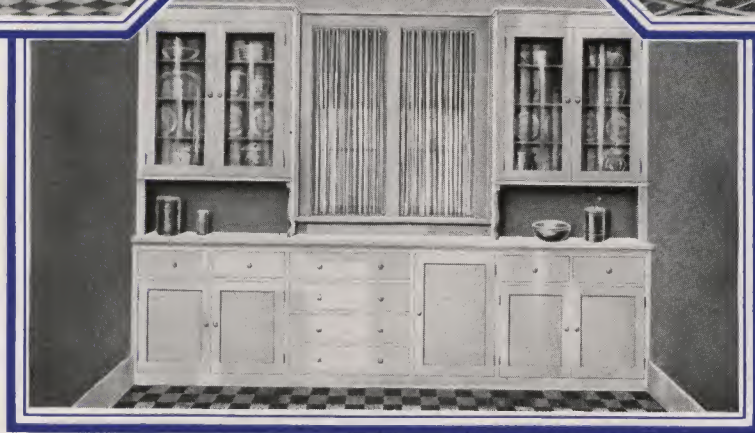
THE dining room side of a combination case is shown above. Although not in great demand, in many homes it would be a very much appreciated convenience. The panels between the upper and lower sections slide permitting an open and continuous counter between the kitchen and the dining room.



KITCHEN  
CABINET  
BW-1081-3



KITCHEN  
CABINET  
BW-1075



KITCHEN CABINET BW-1084

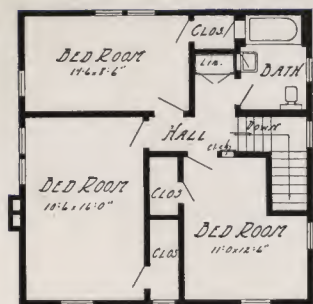
WHAT a wonderful convenience it is to have abundant cabinet space in the kitchen! Pots, pans, and dishes necessary for special occasions and other oddities are sure to accumulate through the years and it is wrong in the planning

of the kitchen to pass up any opportunity for building in cabinets. Proper placing and utilizing of all peculiar angles and nooks for cabinet space will offer very much appreciated storage space, providing a definite place for almost everything.

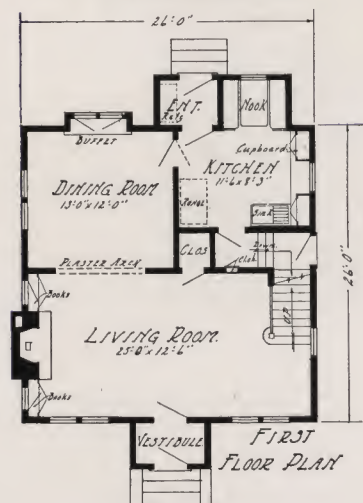




HOME BW-845



SECOND FLOOR PLAN



FIRST FLOOR PLAN

## The Square Type With Individuality

Size: 26 x 26 ft.

AN ADAPTATION from the ordinary popular square type of home with the exception that a few little frills have been added. This home is easy and economical to build. Individuality is added by the plaster panels over the windows and the ornamental ironwork. The living room extends across the front, with bookcase and fireplace arrangement on one end, and stairway on the other end, suggesting economical use of space. A recessed buffet shows well in the dining room, which is of good proportions. A rear entry takes care of the refrigerator. Although small, the kitchen is very convenient and has a breakfast nook. Entrance to the basement is from either the kitchen or grade door. The three bedrooms have large closet space in each. A bath room and roomy linen cabinet practically take up all the room left; no space has been wasted.



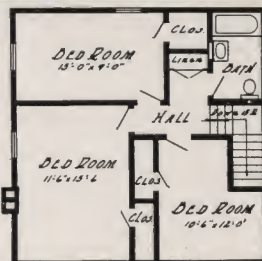


HOME BW-847

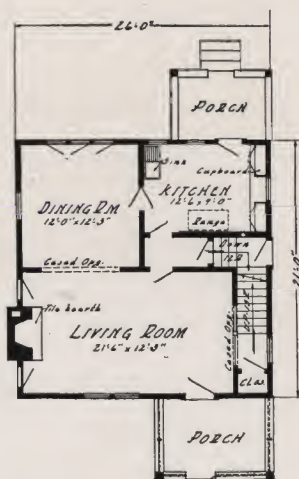
## Consider How Economical the Construction

Size: 26 x 26 ft.

IT WOULD be hard to imagine a home of these same dimensions being any more economical to build than this design. The house is square, the porch is simple in construction, and the stained siding and shingles are economical materials, both in first cost and application. With all this economy it is unquestionably a beautiful home. The entire effect is very pleasing and the floor plan is well worked out. While the layout or arrangement of rooms is rather usual, the woodwork details can make them very interesting. The rooms are all in good size and provide an abundance of wall space for the tasty placing of furniture. Although china corner cases are not shown they would be very attractive in the two back corners of the dining room. Taking all points into consideration it is surely one of the best homes in the book.



SECOND FLOOR PLAN

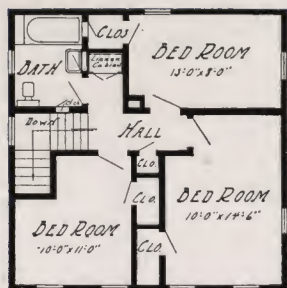


FIRST FLOOR PLAN

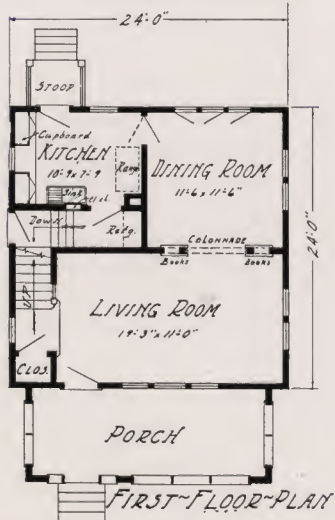




HOME BW-850



SECOND-FLOOR PLAN



FIRST-FLOOR PLAN

## The Practical Square Type Well Planned

Size: 24 x 24 ft.

MEDIUM sized, economically built homes, are popular and always in demand. This design is plain, but not severe, and features a porch extending across the full front of the house. The good sized living room shows very good arrangements of windows and wall space, making the housewife's furnishing problem easier. The closet on the stair could have the convenient mirror door. The conventional sized dining room could have a buffet under the three casement windows in the rear. The well arranged kitchen has the refrigerator in the hall. Notice the convenient door on the side for basement and kitchen use. The upstairs provides for three bedrooms, each of them of respectable size, with closet space. The bathroom is roomy and shows a clothes chute, ideally placed. There is also a linen closet cabinet and extra service closet in the hall.



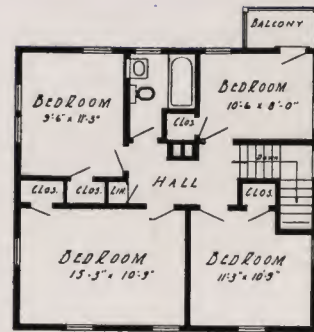


HOME BW-852

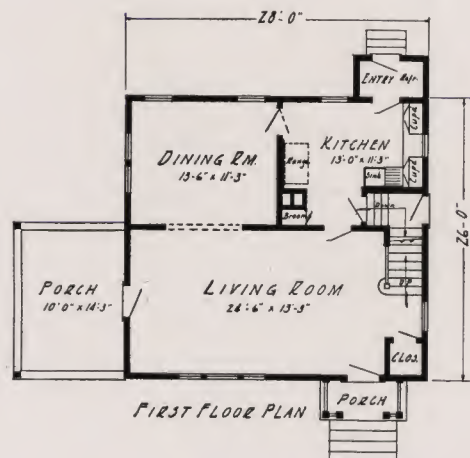
## Attractive Proportions in Stucco or Brick

Size: 28 x 26 ft.

THERE are many interesting ways in which the exterior details and the floor plan may be switched around in the popular economical square type of home. The floor plans and the elevations in every case are meant to offer a basic suggestion upon which changes may be made as desired by the home builder. In most cases these changes can be easily provided. A fireplace could be added, the first tread of the stairs could be carried across to the closet partition and the exterior of the home is as well adapted to the application of brick as it is to stucco. Unusually good arrangement will be noted considering the details of this home. The second floor plan shows four bedrooms with ample closet space and also a balcony off one of the bedrooms which is appreciated by housewives for airing bedding.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

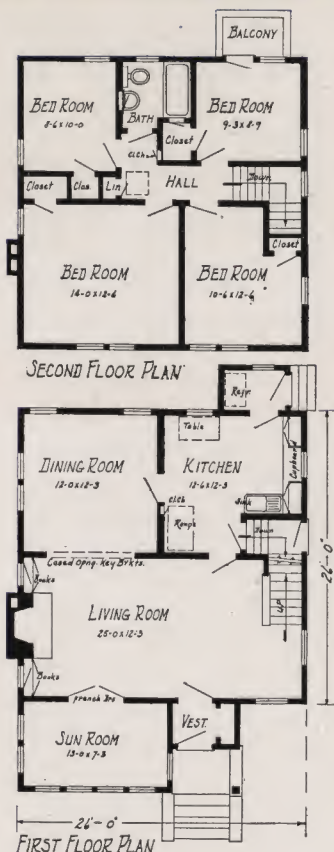




HOME BW-855

## Four Bedrooms In the Popular Square Type

Size: 26 x 26 ft.



A SQUARE type of this design is always in style and will always be popular. There is an atmosphere of stability about it which has its appeal to many. It contains all the essentials for home convenience. A handy coat closet is seen in the vestibule. There is a full-length living room across the front, with an open stairway assuring a pretty picture on one end. There is a fireplace on the other end with bookcases on each side. A good sized sunroom is entered through a pair of French doors. The dining room is roomy and well lighted. Upstairs, there are four bedrooms and bath. A linen closet is accessible from the hall, and there is closet space in each bedroom. A balcony leading off one of the bedrooms is ideal for airing out clothes, etc. This home would look equally as well in siding.





BW-484

## French Doors

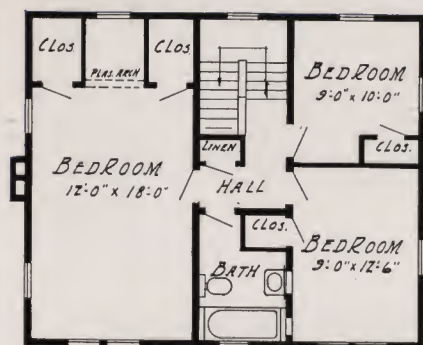
**T**HIS illustration suggests French doors leading onto the veranda; placed in such a position they present a very artistic setting. They are also very attractive when placed in pairs leading from a spacious hallway to living and dining rooms on either side of the hallway. It is very common to consider French doors used in

pairs. Used singly, however, they offer a very practical door; the entire surface being glass, an abundance of light passes through the door, a feature which will be appreciated. "Bilt-Well" French doors are substantially and attractively constructed and they are recommended for use either singly or in pairs.

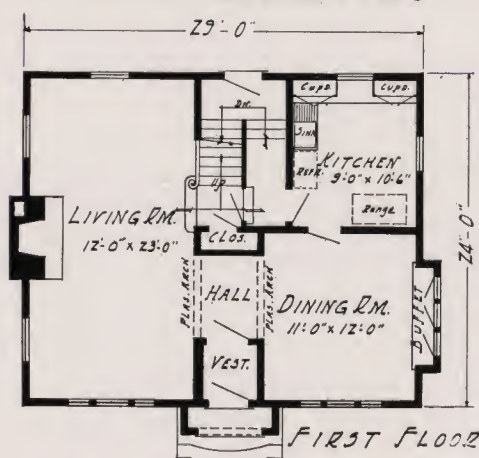




HOME BW-857



SECOND FLOOR



FIRST FLOOR

## There Is A Suggestion of the Spanish In This Home

Size: 29 x 24 ft.

JUST enough frills have been added to this home to give it individuality. The indented plaster panels over the windows, the rounded entrance, and the ornamented gate give the design a different appearance. The living room is long, and shows an artistic stairway on one side, with entrance also from the kitchen. The closet on the stair may be reversed by having the door opening from the hall. The dining room with its many windows will be a cheerful part of the home. The small kitchen shown saves steps, but can be made larger if desired. In the large bedroom upstairs a very pleasing arch is seen on one end, which is different from the ordinary. The other two bedrooms are of medium size. An ordinary size bathroom and a linen cabinet finish a very complete and compact plan.



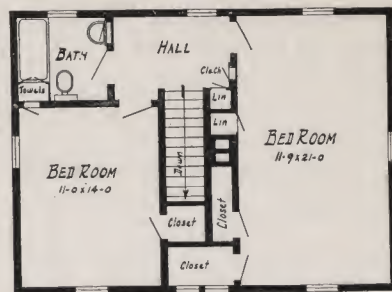


HOME BW-860

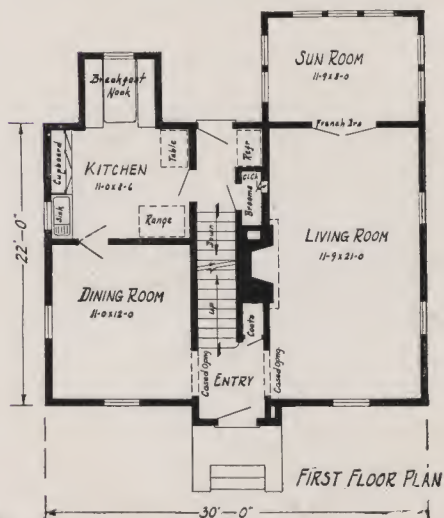
## A Pleasing Color Combination In Shingle

Size: 30 x 22 ft.

SHINGLES are being used in place of siding in many instances and with very good success. With some types of architecture shingles are very attractive. This home is of conservative size and is very suitable for the small family. A coat closet in the entry has been cleverly worked out. There is a long living room and sun room with French doors between. Space for a refrigerator and a service closet are located in the rear hall. A breakfast nook adds a finishing touch to the downstairs. Upstairs, we have two large bedrooms, one extremely large, with a goodly amount of closet space. Shingles stained silver gray, light brown or white make this home show up to advantage. The design is truly colonial and should be well landscaped to get the proper setting. The exterior lends itself to the application of either shingles or siding.



SECOND FLOOR PLAN

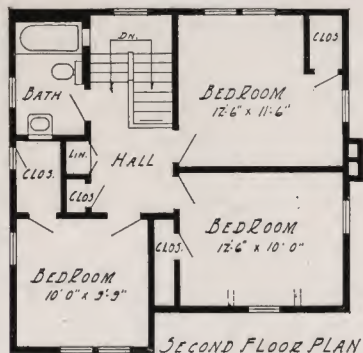


FIRST FLOOR PLAN

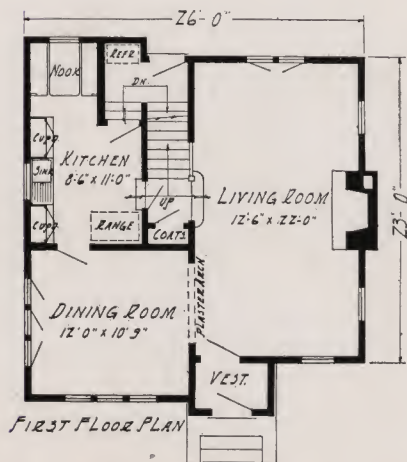




HOME BW-862



SECOND FLOOR PLAN



FIRST FLOOR PLAN

## Breaking up the Front Surface of the Square Type

Size: 26 x 23 ft.

A VERY stylish design that will stand out prominently in any block of homes. The sweeping lines are pleasing to the eye, and the trimming of brick around the base adds the necessary finishing touch. The compact interior arrangement conserves all the space possible. The living room of generous proportions contains a fireplace which should have an English touch to it to harmonize with the exterior. A combination stairway between the kitchen and the living room and the closet with a mirror door in the first landing will be appreciated by many. The dining room is cheerful with its many windows. The serviceable type kitchen is of the right size to save steps, and is made complete with its breakfast nook occupying one corner. The three bedrooms upstairs are of respectable size and have ample closet space. The service and linen closets are in the hall.





HOME BW-865

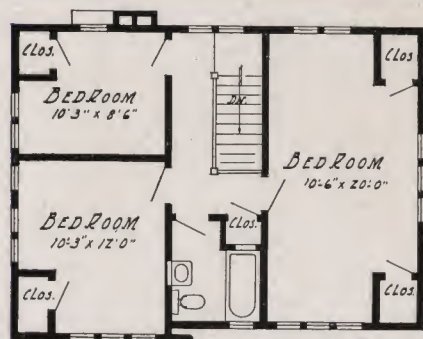
## A Roomy English Half Timber Home

Size: 29 x 21 ft.

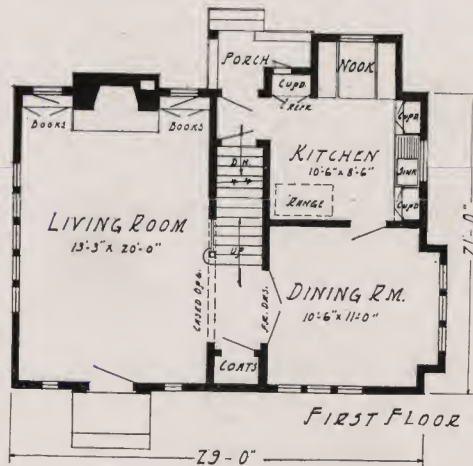
**T**HIS home arrests the attention of anyone seeing it. The combination of brick, stucco and half timber has been very skillfully worked out. The arched doorway trimmed in brick stands out prominently. In fact, the whole architecture of the home speaks for individuality. This design looks larger than it really is, which is quite a big factor in itself in the selection of a home.

The living room in this home has its fireplace in one end, with bookcases on either side. Notice how cleverly the coat closet has been worked in. The dining room has a recess for a buffet and is well supplied with windows. The kitchen with its breakfast nook is of a size most desired by housewives, and is equipped with the necessary cupboard space.

The upstairs contains three bedrooms, one extra large. There is the usual bathroom and linen closet.



SECOND FLOOR



FIRST FLOOR

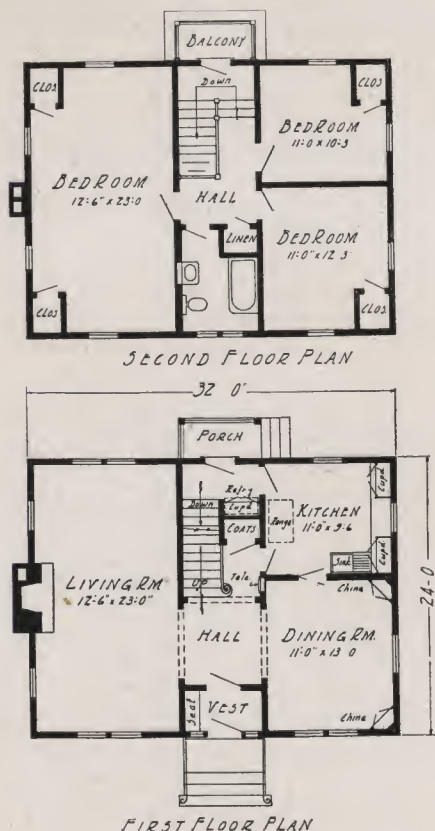




HOME BW-867

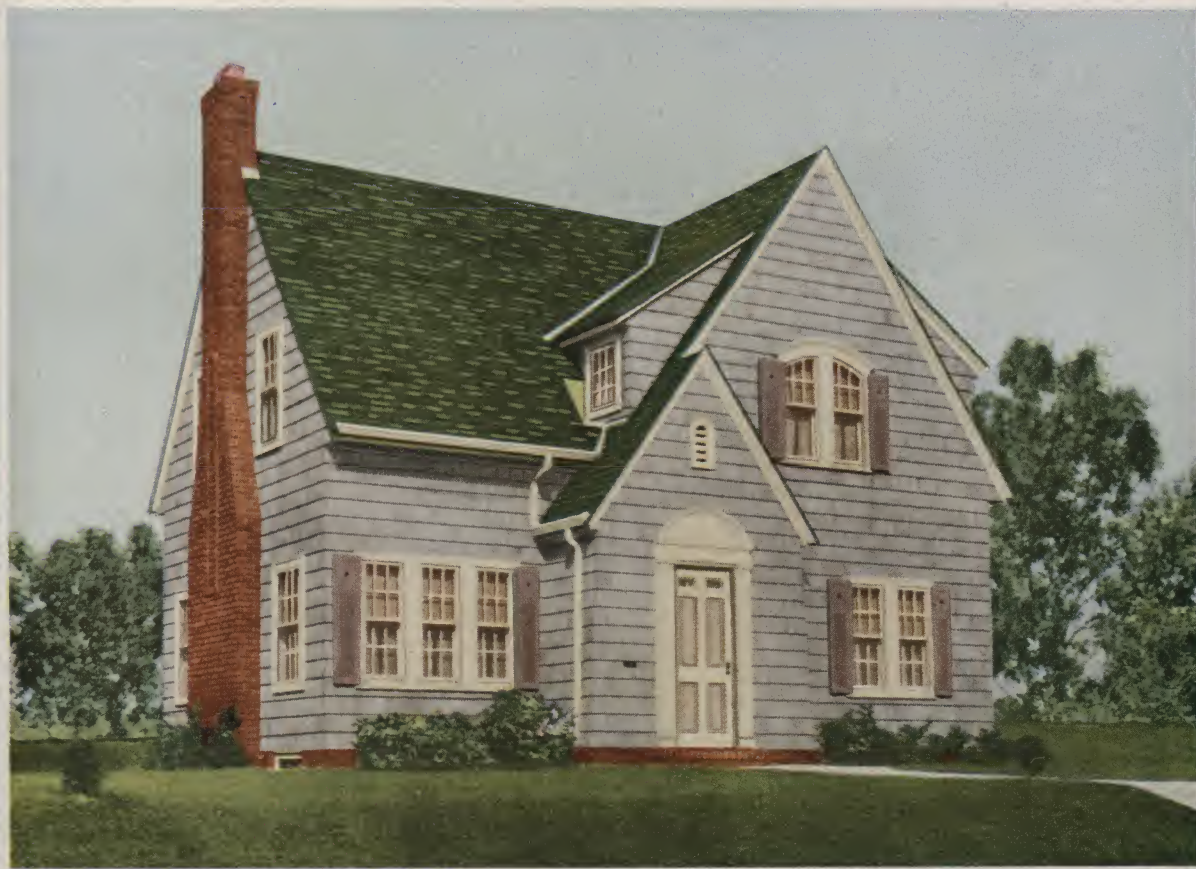
## The Dutch Colonial In A Popular Color Scheme

Size: 32 x 24 ft.



THE broken roof lines of this Dutch Colonial forestall any possibility of the exterior looking cold and bleak. In this home space has been sacrificed in the corners of the second floor rooms. If it is not objectional, the side walls of the dormer could line up with the side walls of the home and thereby utilize this space. The roof overhang from the house line will still give the Dutch Colonial effect. With an enamel interior finish on woodwork of colonial pattern this home will present a very pleasing interior. Note the triple arch effect of the front hallway, the attractive colonial stairway through one arch, the living room mantel through the arch on the left, and the dining room china corner cases through the arch on the right. All the rooms that go to make a home comfortable and attractive are provided for.





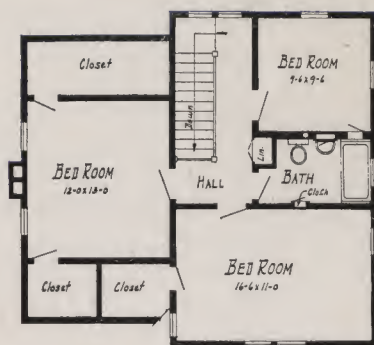
HOME BW-870

## This Shingle Home Lends Itself to Attractive Coloring

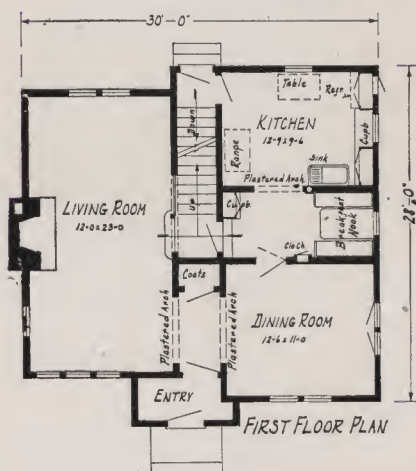
Size: 30 x 28 ft.

THE design is not common and yet there is nothing extreme about it to increase the cost. There is an undeniable appeal in this moderate size shingle home, with its gable in front and entrance to match. Its interior is just as inviting. There is a long living room with fireplace. A combination stairway with its spiral rail and balusters shows up to big advantage without taking into consideration its great convenience. There is a very essential coat closet in the hallway. The kitchen is larger and permits different workable arrangements. Between the dining room and kitchen is a breakfast room, which is sometimes preferred to a breakfast nook. Upstairs, we have three bedrooms, bath, and linen closet, with an abundance of closet room. This home is exceptional in that it contains so many features for its size.

This is an attractive modern home which is very practical.



SECOND FLOOR PLAN

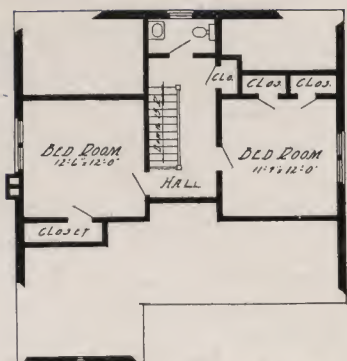


FIRST FLOOR PLAN

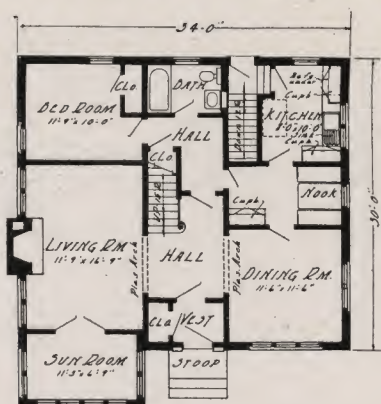




HOME BW-872



SECOND FLOOR PLAN



FIRST FLOOR PLAN

## Small Brick, Roomy and Comfy

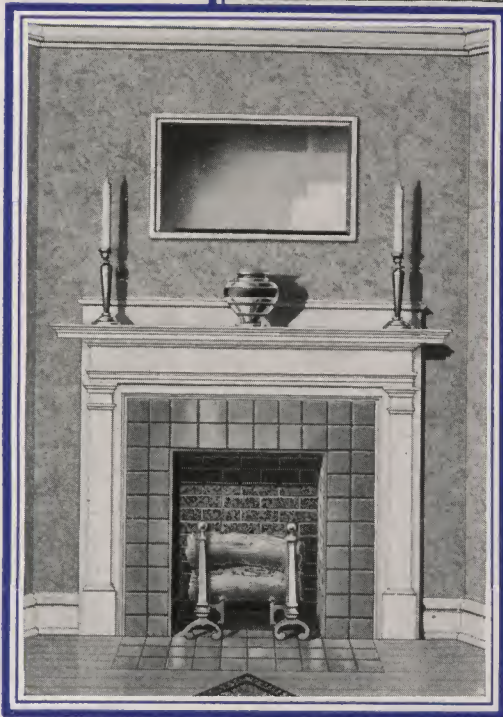
Size: 34 x 30 ft.

HERE is a design for the home owner who desires good substantial construction, good arrangement and a pleasing elevation without building a large cumbersome home. It may help to picture the home in your mind if it is mentioned that the original home is built from brick in variegated yellows and browns and the roof of a warm tone red tile, an unusually pleasing combination. The spacious hallway and attractive staircase gives us the impression of a two story home. The bath is on the first floor and on the second floor a lavatory is included. The kitchen could be enlarged to include the space which is taken by the stairway, changing the basement stairway to the back hall underneath the main stairs. The breakfast room which includes a china case is an interesting feature as is also the sunparlor with window openings on three sides.

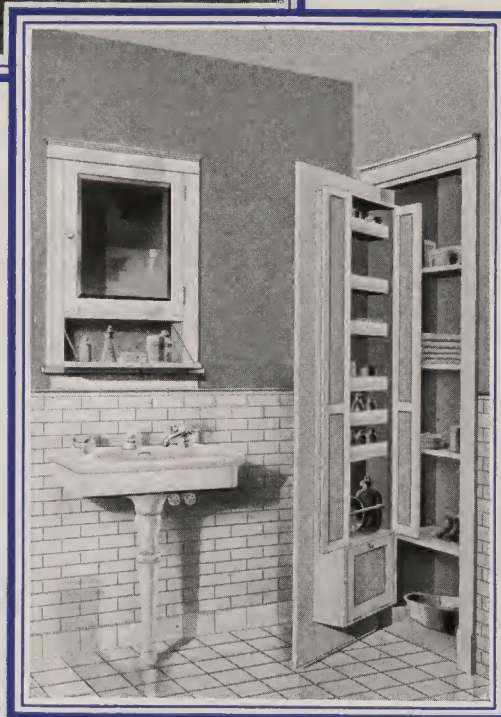




STAIRWAY  
BW-1347  
chosen at  
random  
from the  
many at-  
tractive  
designs  
in the  
catalog of  
Bilt-Well  
Millwork.



MANTEL BW-1217

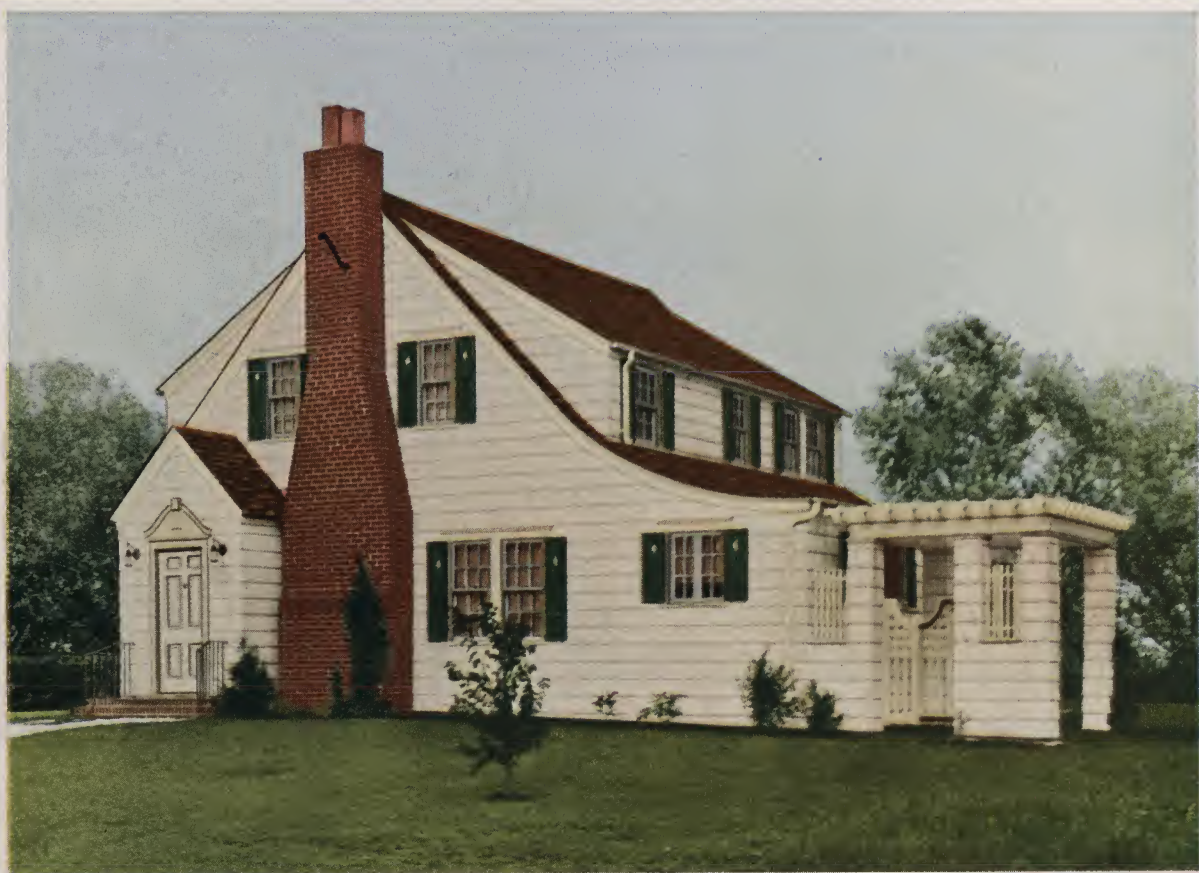


MEDICINE CABINET BW-1101 LINEN CASE BW-1103

THE illustrations on this page seem to accentuate the thought that woodwork is the background and the basis of successful interior decoration. It is easy to think of many attractive furnishings that would lend themselves

to this well designed woodwork but consider trying to furnish a home where the woodwork is ill proportioned. The interior of a home is built around the woodwork. Select the designs carefully. Proper interior designs enhance the beauty of your home.

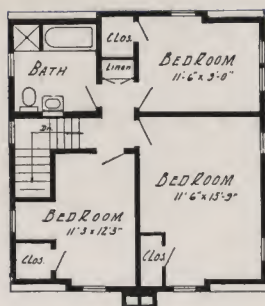




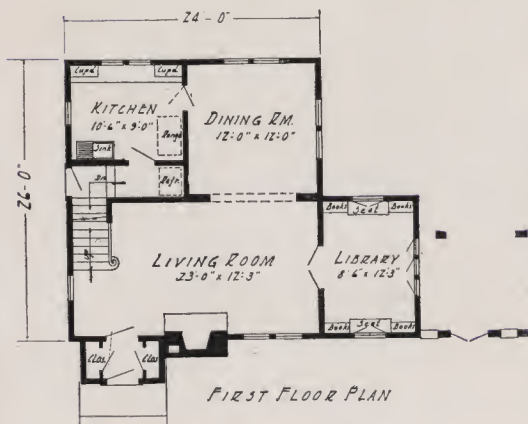
HOME BW-875

## Sweeping Lines Suggest Restfulness

Size: 24 x 26 ft.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

HERE is a home with an exterior of rather unusual design. In type it is more or less an interpretation of the Dutch Colonial. There are many little details that could be changed to possibly make the design a little more pleasing to the individual home builder. As an instance, the pergola effect at the right could easily be transformed into a porte-cochere over the driveway to the garage. The chimney may have more of an appeal constructed of stone. In the interior there is little left unprovided for in the accomplishing of comfort and convenience. The library is a feature of this home; visualize the beautiful interior effect with the French doors thrown open. The kitchen is conveniently arranged. On the second floor the bathroom provides both a shower and tub bath and three well arranged bedrooms with ample closet space are provided.



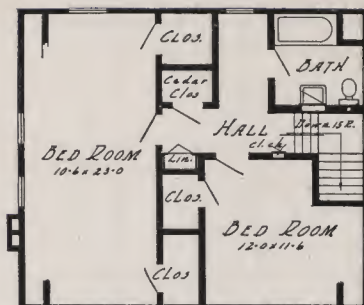


HOME BW-877

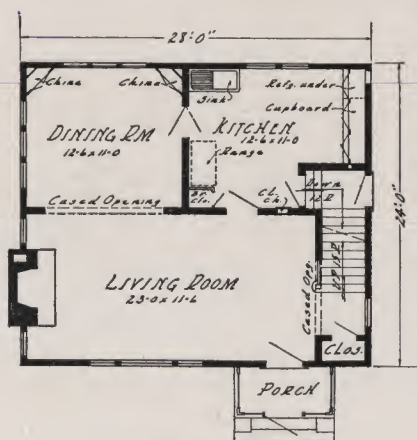
## Color and Good Design Well Harmonized

Size: 28 x 24 ft.

**A**GAIN the Dutch Colonial in an attractive combination of colors; good proportion, interesting details, and economically constructed. In overall dimensions this home is comparatively small, yet its appearance is sizable and its arrangement admirable. If more bedrooms are desired, the same type of home could no doubt be easily made in a somewhat larger home, possibly 34 ft. in width which would permit four bedrooms where there are now two. In this particular case, the shingle exterior will likewise prove economical. In all it could well be considered a very good home and a very good design for the cost that would be involved. Special attention is drawn to the abundant closet space on the second floor and, also, the very roomy and well arranged kitchen which has space for a kitchen or breakfast table next to the sink underneath the windows.



SECOND FLOOR PLAN

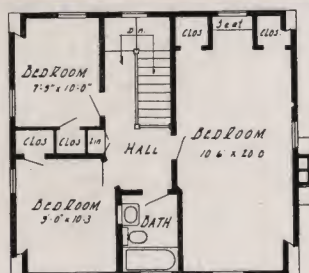


FIRST FLOOR PLAN

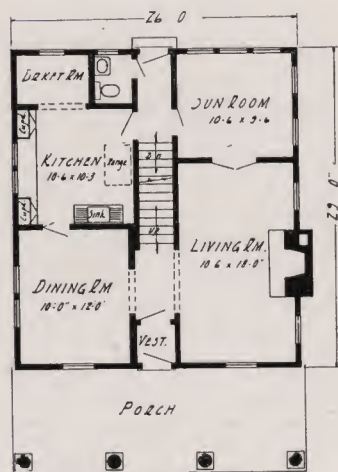




HOME BW-880



SECOND FLOOR PLAN



FIRST FLOOR PLAN

## A Southern Colonial in Good Arrangement

Size: 26 x 29 ft.

A VARIATION of Dutch Colonial, this style is more commonly termed Southern Colonial. A very interesting detail is the spacious front porch. Screened in summer, its comforts would not be sacrificed at any price by the home builder. For a more thorough interpretation of this home, consider the color scheme shown on page 48. The floor plan proves a very convenient and comfortable arrangement. Special attention is called to the breakfast room. Once we have the convenience of a little room of this sort it is hard to do without it, it saves so many steps in the serving of meals to the family. A lavatory is also provided on the first floor which is unusual in a home of these small dimensions, although it is a convenience always desired. On the second floor there are three bedrooms and bath with ample space.



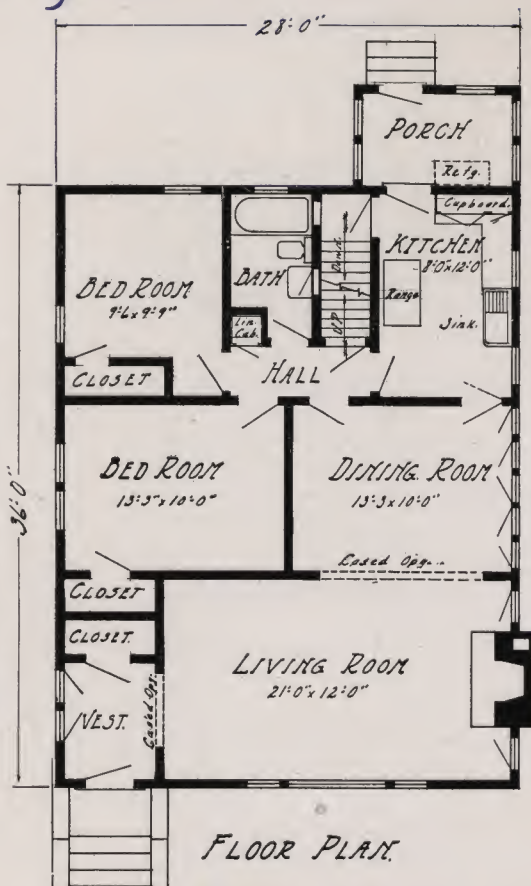


HOME BW-882

## A Practical and Spacious Bungalow

Size: 28 x 36 ft.

THIS roomy home is not difficult to build, and represents the utmost in economy. Because there is no similarity between this design and the average semi-bungalow it will be preferred by many. The large triple window in front, graced with a flower box is very attractive. The long living room with its fireplace and book-cases lends itself to an excellent arrangement of furniture. The dining room contains five casement sash, taking up one whole wall, which is pleasingly different. There is a door from the dining room giving you access to the hall without going through the kitchen. The kitchen is of the long and narrow type that saves many steps. It has an enjoyable combination porch. Two bedrooms and bath with linen closet complete the downstairs. Upstairs there is room for an additional two bedrooms if so desired.



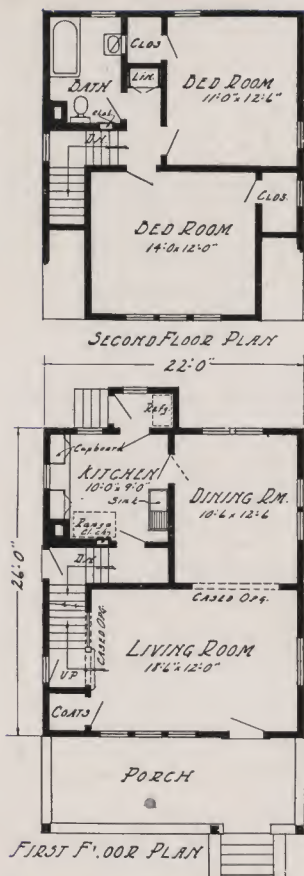




HOME BW-885

## Forever a Popular Type of Home

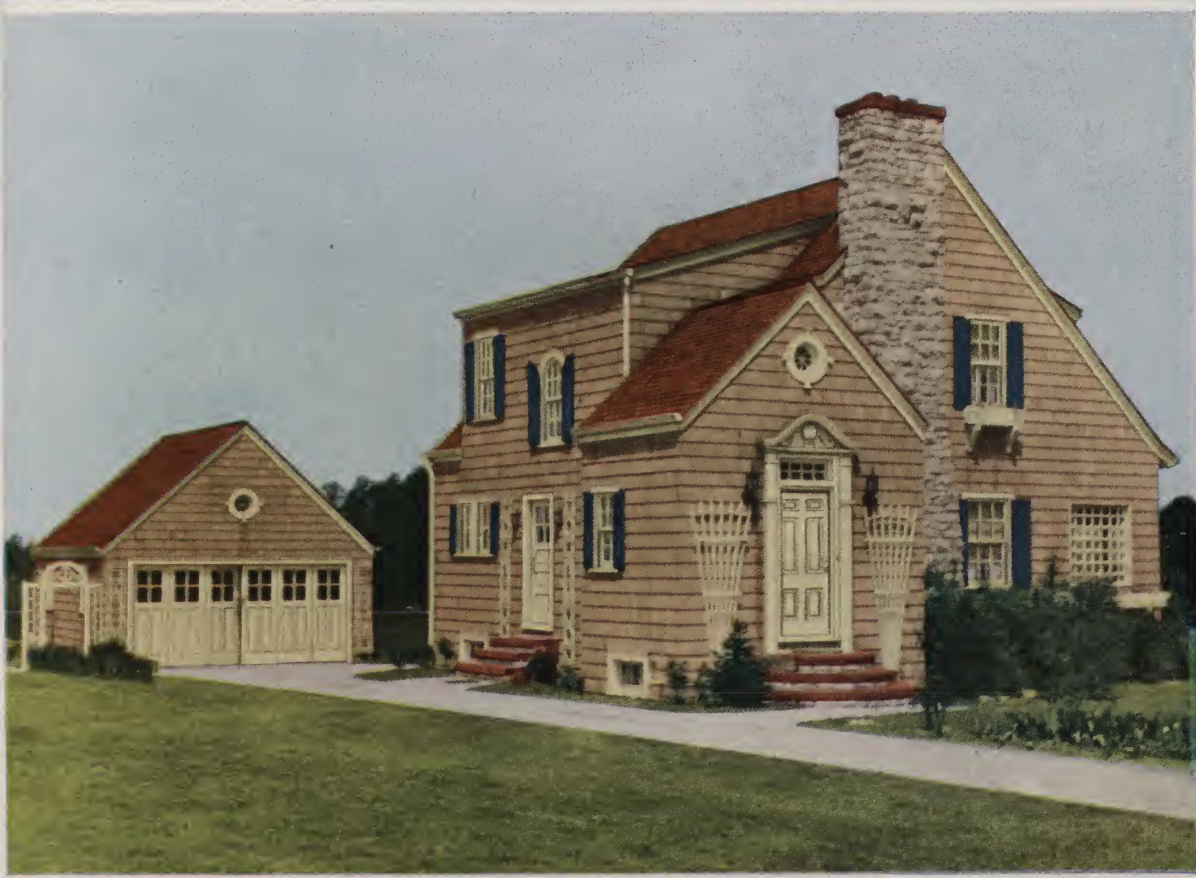
Size: 22 x 26 ft.



THE "old reliable" is a very practical and economical design of frame construction throughout with siding and shingle exterior that gives complete satisfaction. Many a warm evening will be spent in solid comfort on the large, roomy and indispensable front porch which could be glazed for winter to reduce your expense considerably. The large dormer in front is correctly proportioned and provides for more roomy accommodations upstairs.

The satisfactory interior arrangement coincides with your ideas of a home of this design. The kitchen, dining room and living room are all as large as they should be for maximum comfort. The handy closet in the living room is always appreciated. A stairway on the end takes you upstairs to two good sized bedrooms each containing plenty of closet room. For a small home it contains most of the necessary conveniences for comfortable homemaking.



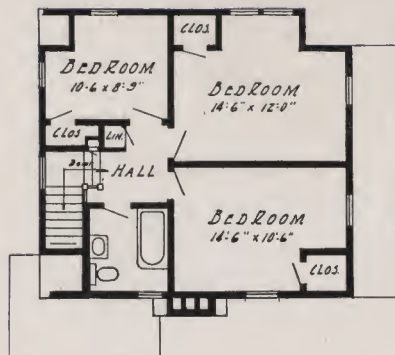


HOME BW-887

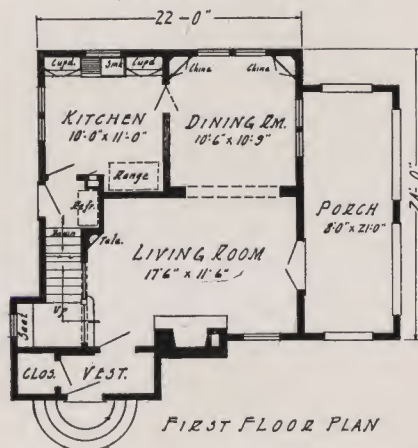
## A Study in Shingles and Color Harmony

Size: 22 x 24 ft.

THIS home has been photographed from a rather unusual angle for the purpose of showing the garage which seems to be a part of the general architectural style. In its actual setting this arrangement was very attractive. A hedge running along the driveway in the foreground was eliminated because it shielded many of the details of the home. This is a type of home where either one of two sides might be called the front. The side of the home which has the porch is very attractive with a large sweeping roof that extends over the porch broken with a large dormer practically the entire depth of the house. The exterior details, the coloring, and the convenient floor plan are all in very good taste. It is a home in the book that should receive very careful consideration when a choice is being made.



SECOND FLOOR PLAN

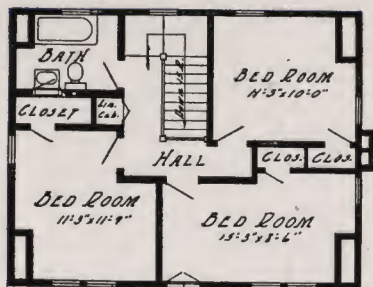


FIRST FLOOR PLAN

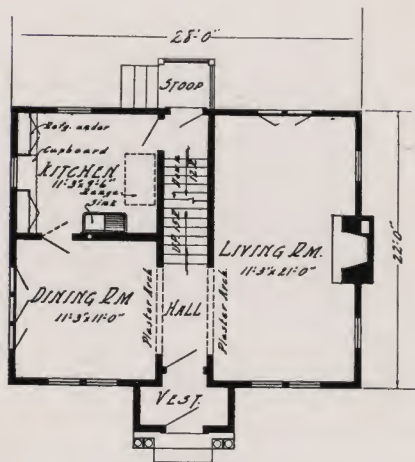




HOME BW-890



SECOND FLOOR PLAN



FIRST FLOOR PLAN

## In Color this Shingle Cottage is Beautiful

Size: 28 x 22 ft.

IN AN attractive color scheme this well proportioned cottage would attract attention. The interesting details all lend themselves well to the blending of color. Reference to page 66 of this book will indicate an applicable color combination for this design. The small trellises and pergola effect over the entrance are the small details which materially effect the accomplishing of balanced proportions. One would not presume that there could be anything unusual about the floor plan in a home of these small dimensions so we find the rooms laid out about the way we would expect them to be. The living, dining room, and kitchen are all in good size and on the second floor three bedrooms are provided with abundant closet space. If three bedrooms are not desired the large bedroom could run over the entire living room, or possibly a sleeping porch could be included.



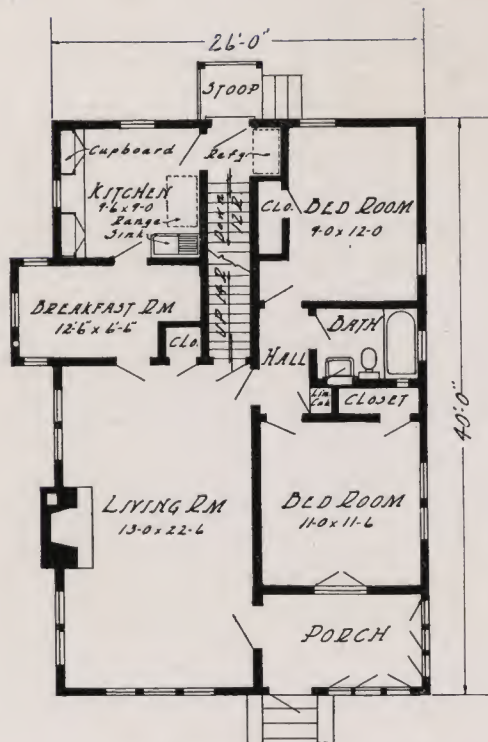


HOME BW-892

## Truly a Popular Bungalow Type

Size: 26 x 40 ft.

WITH snipped gable roofs, this has been a popular type of bungalow. It is truly a bungalow type home and a design that has been popular with many home owners. If this home were to be placed on a corner lot it would no doubt be advisable to carry brick around on the side elevation as well as the front. The floor plan is rather unusual showing a breakfast room rather than a full sized dining room. The home, however, could easily be deepened to permit a full dining room if it is considered more desirable. Two bedrooms with good size closets are provided downstairs and there is sufficient room on the second floor for two bedrooms and a small sewing room. The living room of this home is really very spacious and well laid out with abundant ventilation and wall space.



FLOOR PLAN

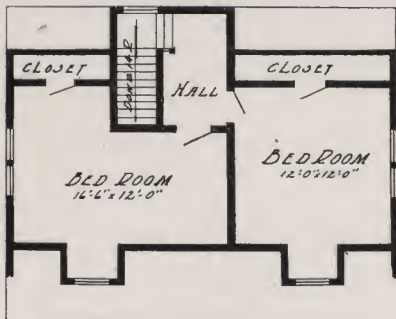




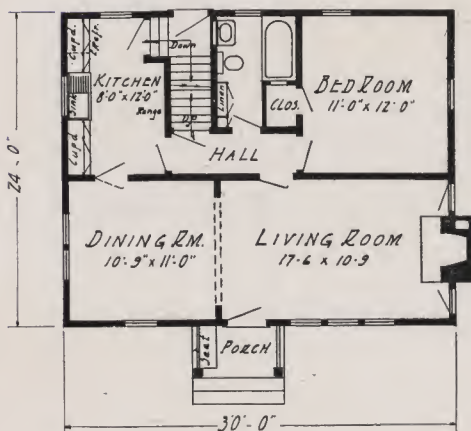
HOME BW-895

## A Colonial Cottage of Unusual Charm

Size: 30 x 24 ft.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

THIS home is the picture of comfiness. It is the kind of cottage we read about in books where beautiful climbing roses entwine themselves over an inviting entrance. The floor plan provides all of the conveniences that could be wished for. Three bedrooms, one on the first floor and two on the second, are unusually adequate in a home of these small dimensions. Further than this the usual kitchen, living, and dining rooms are provided and a particularly attractive effect is accomplished in the joining of the living and dining rooms with a wide plastered arch. The living room offers unusual wall space for the proper placing of furniture. The mantel at the end of the living room could be appropriately flanked with bookcases on both sides. This home would look as well in shingles as it does in siding.



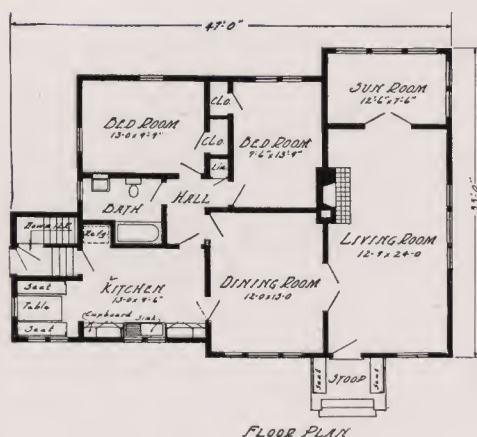


HOME BW-897

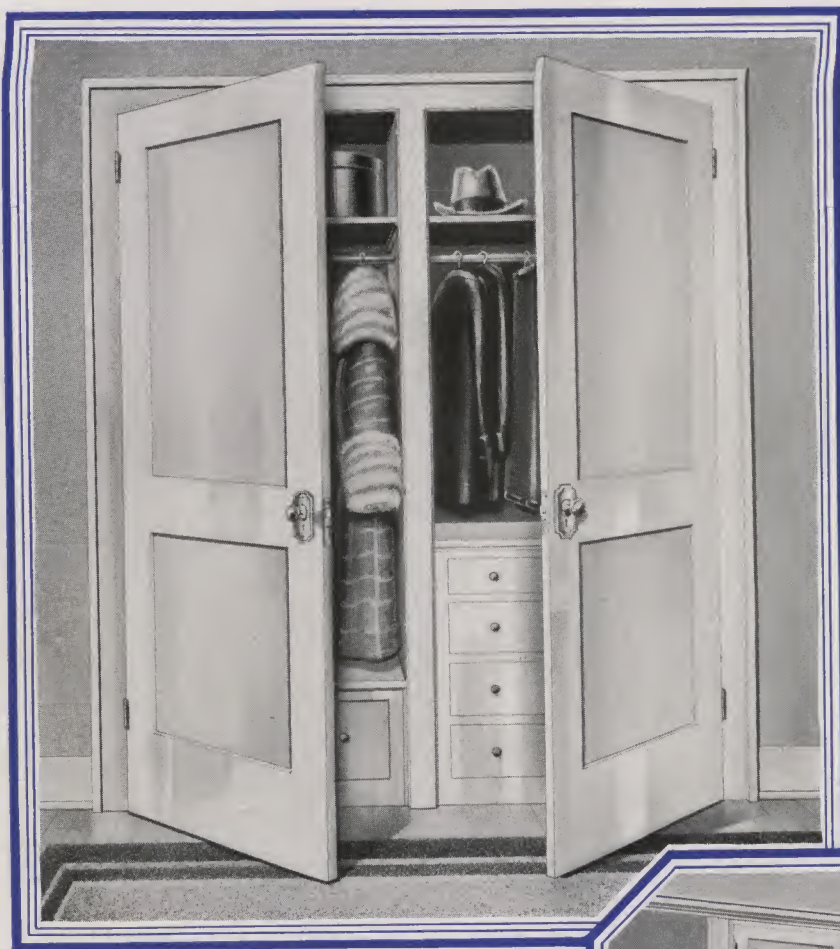
## The Rambling Bungalow Well Planned

Size: 47 x 33 ft.

**H**ERE is a home that truly exemplifies the bungalow style. In giving to a bungalow all of the rooms that are shown, it is necessary to spread out the floor plan; to do this and still retain a good and convenient arrangement is a difficulty that has been overcome in this home. Each room is reasonably large and the rooms are well arranged. A sun parlor is included which is not ordinarily a part of the bungalow style. The kitchen is very sizeable and well arranged. A kitchen cabinet extends across the entire outside wall and the sink is built in as a part of the cabinet. Provision has also been made for a breakfast nook, always an appreciated convenience. The exterior is attractive in stucco. An alternate thought would be the application of siding or shingles; the latter would be especially appropriate.







BUILT IN  
CABINET WORK

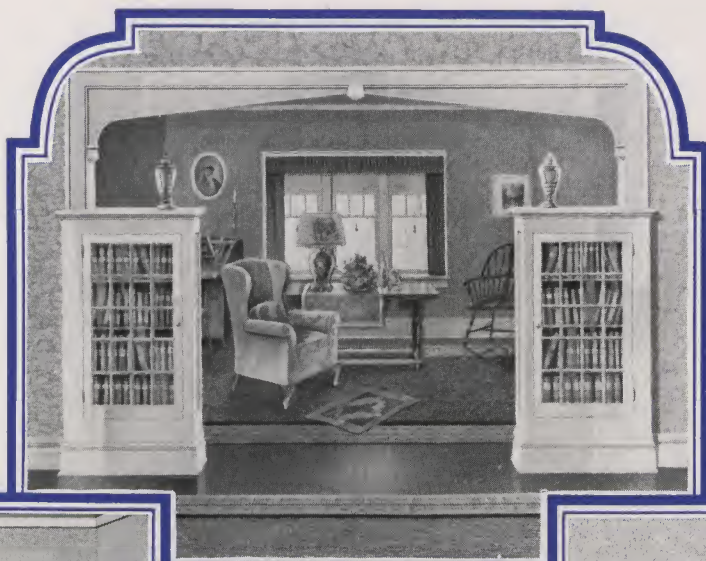
WARDROBE BW-1119

WARDROBE and linen cases appeal to the hearts of the women and justly so. And they also please the men who appreciate practical arrangements. What a wonderful convenience they are; abundant space for linens, the storing of out of season clothes, and what not, making it easily possible to have a place for everything. Needless to say wardrobe and linen cases make housework much easier. A common type of linen cabinet which seems to be the popular choice today has three doors in line at the bathroom entrance; the center door opens into the bathroom, and the two side doors are for linen cases, creating a small short hallway to the bathroom. This design is shown in the large catalog of "Bilt-Well" Millwork as well as several other suggestions for convenient wardrobes and linen cases.



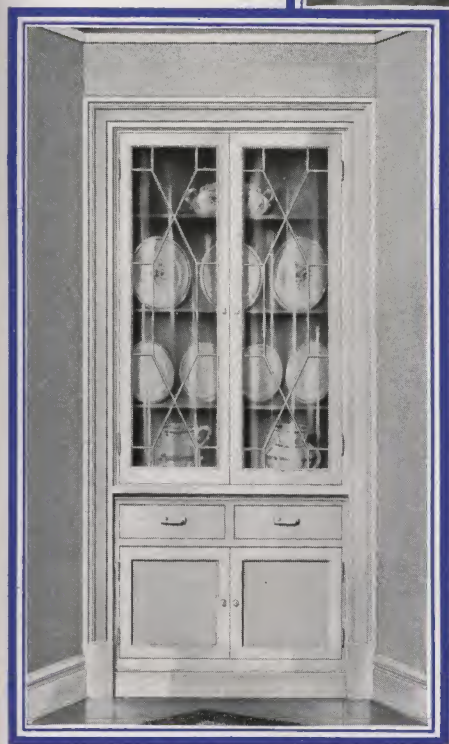
LINEN CASE BW-1111



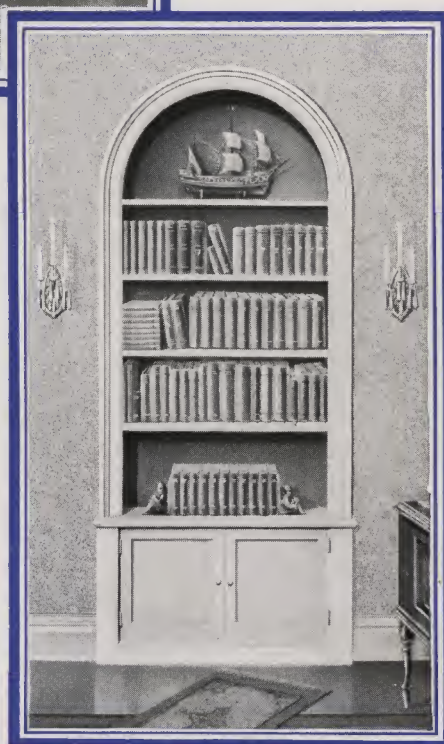


COLONNADE BW-1161

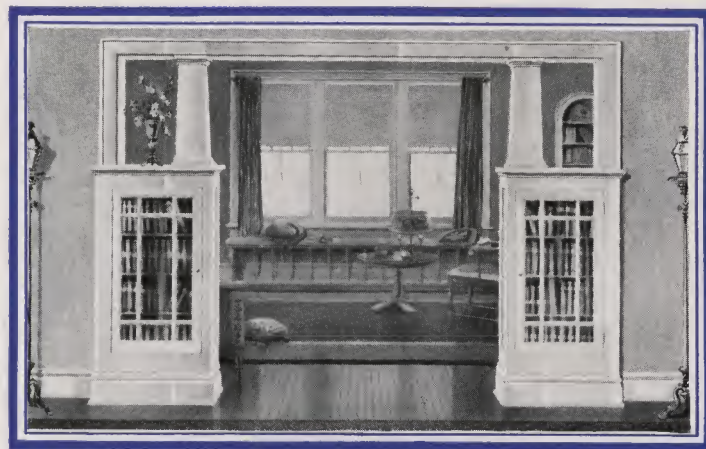
*P*RACTICALLY every home of today specifies either one or two cornercases, which present such a beautiful picture in the dining room. They are practical in offering abundant china and linen space as well as being flush with the wall, eliminating protruding corners.



CORNER CABINET BW-1008



BOOKCASE BW-1137



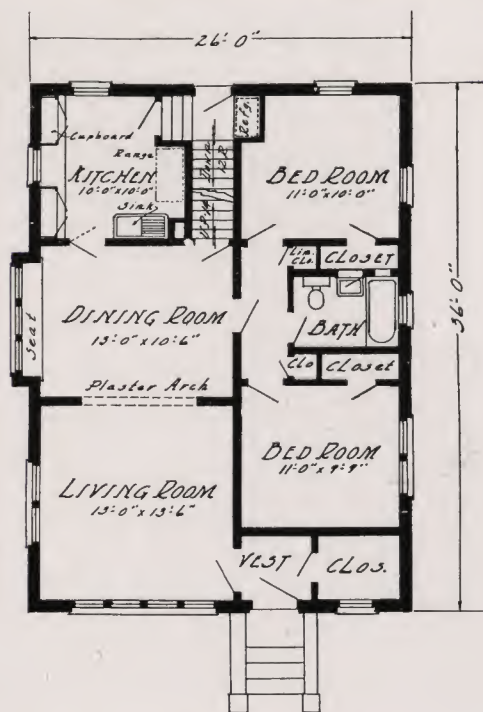
COLONNADE BW-1164

*T*HERE are many items of woodwork which offer space for books, such as the attractive circle top or pedestal bookcase. Mantel bookcases are also popular.





HOME BW-900



FIRST FLOOR PLAN

## Building the Bungalow for Permanence with Brick

Size: 26 x 36 ft.

THE original of this home was very attractive due primarily to a well blended color scheme, which is not brought out as we would like to show it, since this photograph is in black and white only. For one whose preference is a small brick home this design will surely serve the purpose. The elevation is interesting and the floor plan is very conveniently arranged. Attention is directed to the very sizeable coat closet just inside the entrance door. A fireplace could very easily be made a part of this home in the position where the two windows are shown on the side living room wall and another substitution would be to include a colonnade or French doors instead of the plastered arch between the living and dining rooms. If your preference is for a siding or shingle home this layout would lend itself equally well.

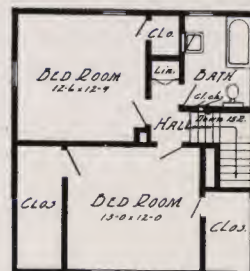




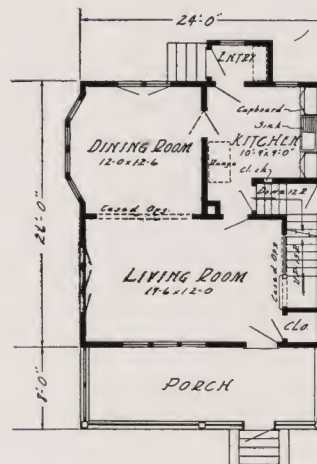
HOME BW-902

## A Comfortable Home In Popular Design

Size: 24 x 26 ft.



SECOND FLOOR PLAN



FIRST FLOOR PLAN

**H**ERE is a design of home that over a period of years has proven extremely popular. It is still being built with the same enthusiasm of several years ago. The large front porch is one thing that will surely attract the majority of those interested in building. The floor plan is unusually good in a home of these small dimensions. Each room is of good size and the arrangement is well planned. A convenient coat closet is at the right of the front door. The balance of this wall contains a stairway which if well chosen will add greatly to the beauty of the living room. Abundant wall space in the living room is appreciated by housewives for the proper placing of furniture. On the second floor there are two good sized bedrooms with bath and plenty of wardrobe and linen space.

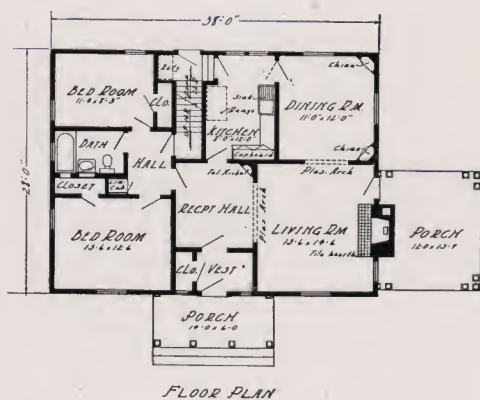




HOME BW-905

## True Colonial Detail In the Bungalow

Size: 38 x 28 ft.



**H**ERE is a home that is pleasingly different. It carries the details of the pleasing conventional home of the South which have been uniquely applied to a smaller type home. While this home would be pleasing in most any setting it would be beautiful in the proper setting which would in substance be a spacious piece of property with abundant foliage. The stairway on the first floor leads up into a rear dormer and two very nice rooms can be had on the second floor if desired. The floor plan of the home is illustrated as it has been built. A change that would possibly give a more pleasing effect would be to rearrange the kitchen so that the dining room door would be in the center of the room and the corner china cases moved to the two back corners of the dining room.



# Selecting the Proper Home

## *Architectural Styles*

THE present is a day of unusual architectural design. As every home of today is completed, it seems more difficult to attempt to classify it under any of the recognized architectural classifications, such as Spanish, Colonial, Italian, or English. Homes today seem to combine many of the characteristics of these various architectural types, or we might say homes that are semi-modern except that they have a few outstanding details from among the types of homes mentioned above. This situation is not being mentioned in the spirit of criticism for the majority of homes are very attractive in design. As an example we might refer you to page 18 of this book. It is our thought that any recognized authority on archi-

ture would have a hard time classifying this under any particular type. It has been placed in this book because it has proven a very popular home. This home has been built no less than twenty times in various cities in the United States and it is truly a beautiful design and well proportioned home. The only thing we have to guard against today in selecting a home is the application of any details that are really contradictory to traditional architecture. There are some homes in this Plan Book which can rightfully be called one of the particular types mentioned above, although in general we would refer to the types of homes in this book as being of American architecture.

## *Variation In Materials*

THE general thought in planning the homes for this book was to supply a home which would suit every desire. The homes in size range from the small brick bungalow to the large brick home and from the small frame bungalow to the large frame home and the same in stucco. There is a range of types in size and floor plan arrangements among which one can surely be chosen that will fulfill all the requirements of any home builder regardless of what his choice may be. One very practical thought in the illus-

trating of these homes is the fact that they are all reproductions from actual photographs. All of these homes have been built. The floor plan arrangements are practical and logical. Have in mind in choosing your home that many of the designs in this book can be worked out in some other material than that which is shown. You may choose to build one of the brick homes substituting siding for the brick or stucco for the brick. Our special plan department can take care of such changes as this very readily.

## *Authentic Plans*

THE plans are all architecturally correct and will work out properly, as they have been gone over very carefully for any discrepancies. You will not find such common faults as "not having sufficient headroom on stairs," "not being able to get a door of the size specified on the plan in some opening," "elevations not corresponding (lining up) with the plans," and vice versa, etc.

The designs shown in this book were selected from a large number of actual photographs of houses already built from plans drawn specially to our customers' order in our own architectural department and you may have complete confidence

in the final result if you strictly follow our plans, with regard to both size and design.

Minor changes, such as moving a door, changing a non-bearing partition, and other slight changes, would not call for new plans, as the contractor can take care of this on the job. We would suggest, however, that you make these changes on the blue prints before turning the plans over to your builder, and so avoid any misunderstandings later.

All of our plans are strict enough to comply with practically all (98%) of the building ordinances of cities all over the country.

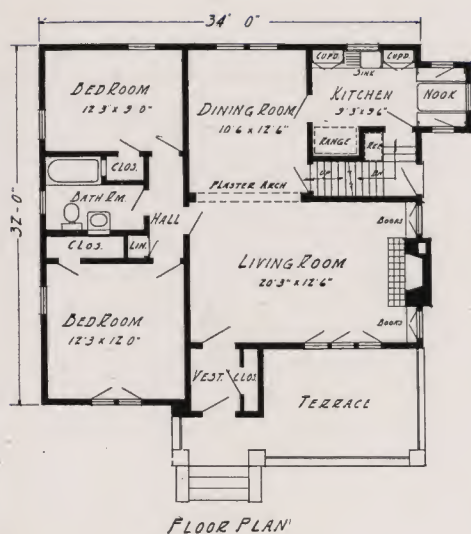




HOME BW-907

## Good Proportions and Interesting Detail

Size: 34 x 32 ft.



THIS is an exceptional design in every detail, and we highly recommend it to anyone who wants a bungalow suggestive of Spanish architecture, and yet seeks something out of the ordinary. The terrace, with its ornamental iron railing, shows up wonderfully well and is surely a distinctive feature. The trimming of brick around the door, base, and on the chimney harmonizes with the color of the window casings to produce a stunning effect. One must attempt to picture the entire color scheme of this home in order to have an idea of its true beauty. It is the style of home that lends itself so well to the proper blending of color. The interior planning shows a skillful arrangement, with long living room, including at one end a mantel flanked on each side with book-cases; well designed kitchen with breakfast nook; central dining room and two bedrooms.



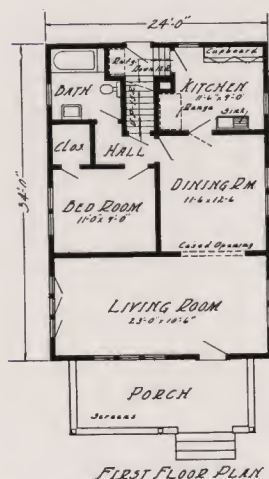
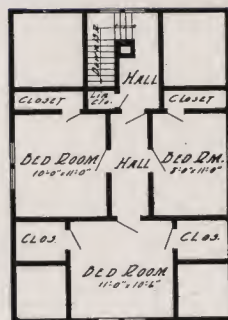


HOME BW-910

## A One and One Half Story Frame Cottage

Size: 24 x 34 ft.

THIS conservative type of home with well utilized space, has long been popular and probably always will be. The attractive front porch is a feature that will appeal to many prospective home builders—an extra room out-of-doors in the summertime is a very desirable and appreciated feature, in comparison with the modern type home which has somehow forgotten the comfortable old front porch. There are no unusual features about the floor plan yet study of the room arrangement and the placing of windows, etc. will immediately reveal that the space has been utilized to best advantage. Attention is directed to the abundant closet space on the second floor. An alternate thought in the construction would eliminate the chimney in its present location and include a fireplace in the living room, which could also carry the furnace flue.



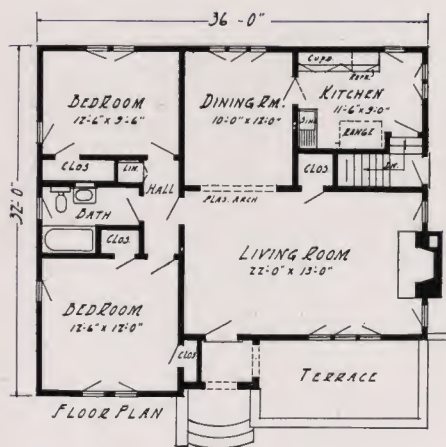




HOME BW-912

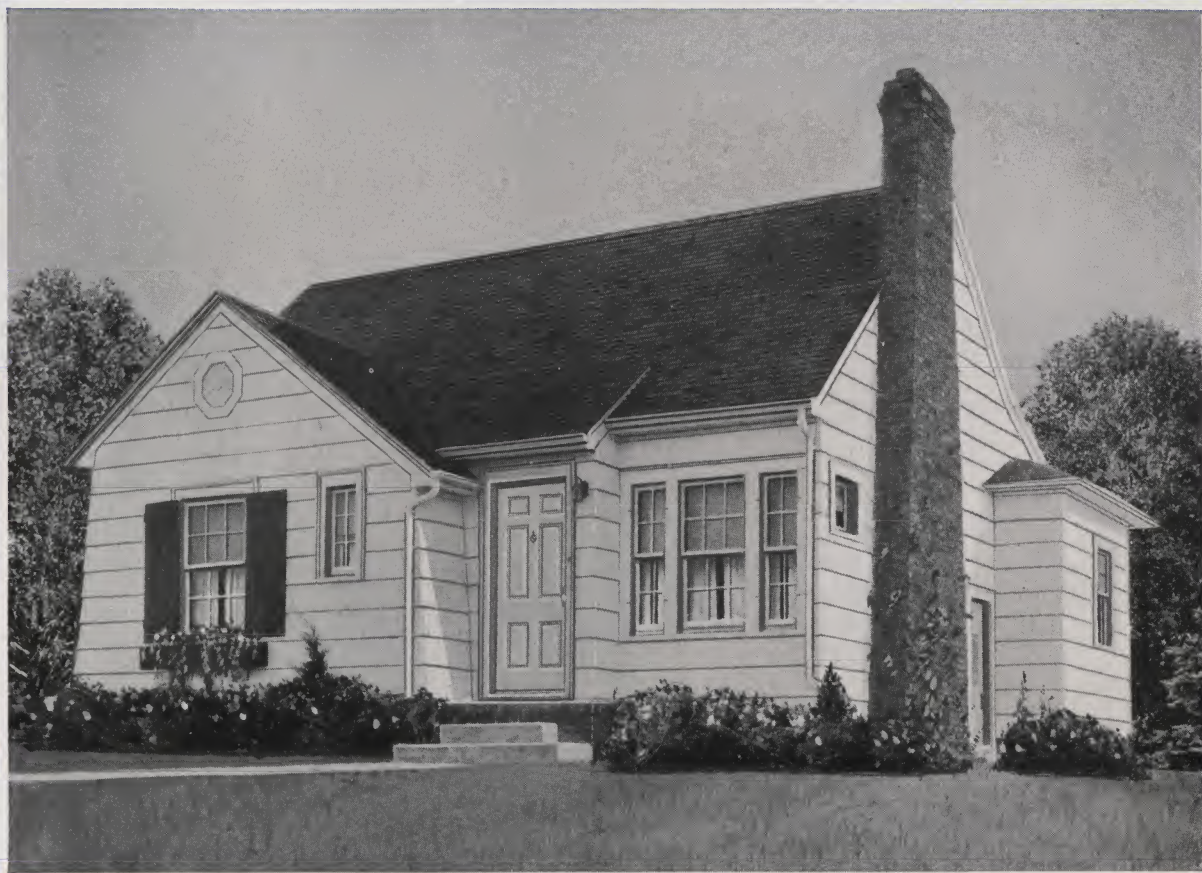
## Bungalow In the Italian Style

Size: 36 x 32 ft.



THIS design has the old world character that has become so much desired in recent years. It is characteristic of many smaller homes in Florida or on the Pacific Coast and growing in popularity in many other sections of the country. Its striking design cannot fail to create a good deal of interest. Properly trimmed, this home will loom up like an "oasis in the desert." The decorative features are in very good taste, harmonizing perfectly with their background. There is a long living room with fireplace in one end. The dining room is adjoining, separated by a pretty plastered arch. The kitchen is well lighted and ideally planned for the comfort and convenience of the homemaker. Two bedrooms and bath, with ample closet space and a linen closet in the hall, complete our conception of an attractive design and a real home.



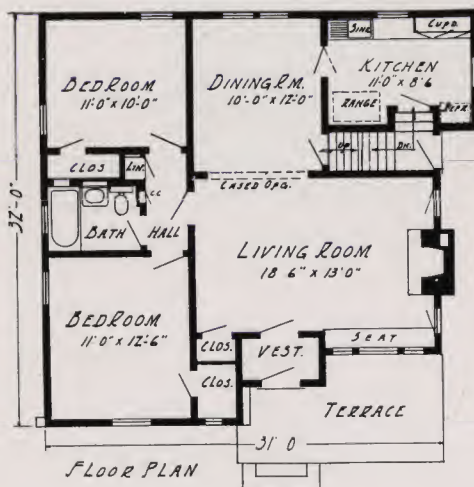


HOME BW-917

## A Colonial Cottage Well Planned

Size: 31 x 32 ft.

**T**HIS distinctive and artistic home is a beautiful example of the application of Colonial designing in the bungalow. Shingles have been used, but wide siding could be substituted in accomplishing an equally good effect. It is delightfully attractive in structural lines and inexpensive to build. The floor plan is unquestionably different than the usual run of bungalows. At the left of the vestibule a convenient coat closet is provided. The relative position of the dining room to the living room makes an especially good arrangement, not only attractive but practical, in that light enters both rooms from the front and the back. Corner cases on the back wall of the dining room add a beautiful note of distinction. The kitchen is compact and well planned. Note the convenient location of the refrigerator where an outside ice door can be provided.







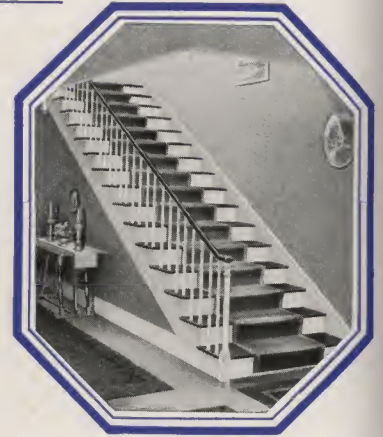
## Mantels

**C**OMFORT is always suggested by the mantel; around its fires in the evening one can read and dream away many pleasant hours. Like the campfire in the open it has its magic enchantment, something fascinating, something undeniable in the crackling of the embers.

In design, a mantel should be selected that is in keeping with the interior effect. The design illustrated is appropriate to the Spanish interior; designs in the catalog of "Bilt-Well" Millwork are applicable to other moods of architecture. Brick fireplaces require only a mantel shelf, and several attractive designs are shown in the catalog.

## Stairways

**B**UILT into an end of the living room or as part of the spacious hallway the stairway forms an important detail of the entire scheme of decoration. Stairways have been created in a wide variety of designs to fit appropriately into the architectural style of the home. Above all else a stairway must be designed to offer what is termed an "easy step;" in other words the riser should be in proper proportion to the tread, in order to minimize a high step or a cramped step. Select carefully this piece of permanent furniture, the largest and most important item of woodwork that will go into your home.

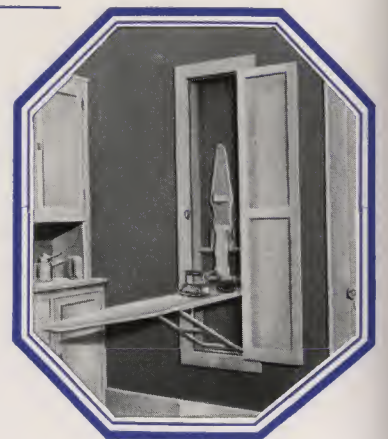


## Garden Furniture

**T**HE interior of the home would look rather uninviting without furniture, and this is true of the exterior that has been neglected in the planting or placing of unusual decorative points of interest. Here and there an arbor, a trellis, a garden seat, or a swing properly and appropriately placed among well chosen shrubs or along the garden walk will establish the beauty of the home that would appear drab and uninteresting without landscaping. Bird baths, sun dials or a lily pond are other distinctive features in planning the lot. Make the grounds pleasing, pleasant and interesting, for the interior alone will have a hard time winning your pride in the home you build.

## Built-In Conveniences

**I**T'S the little things in the home that go to round out its convenience 100%. Under the caption above one almost immediately thinks of kitchen cabinets, wardrobes, linen cases, medicine cases, bath room cases, telephone nooks, ironing boards, breakfast nooks, china cases, bookcases, etc. More definitely however your attention is directed to the built-in ironing board which is illustrated here. An ironing board that folds into a cabinet that has been recessed into the wall, an everready convenience, out of the way. A breakfast table can also be included as a part of this cabinet or an ironing cabinet can be supplied that does not have to be recessed into the wall but is very easily hung on the wall.





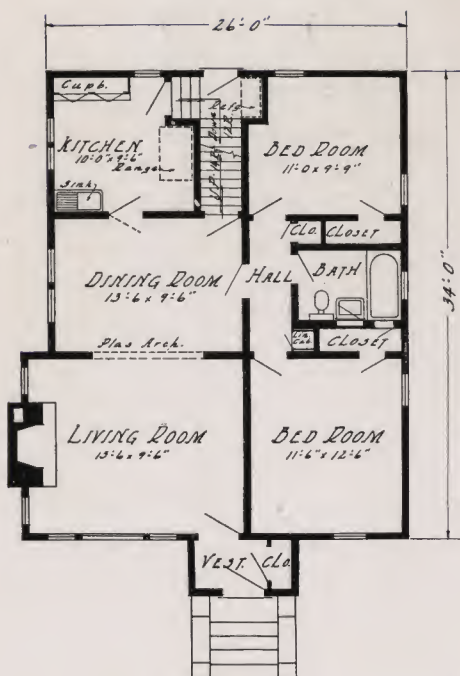


HOME BW-920

## An Attractive Cottage Type Bungalow

Size: 26 x 34 ft.

THE not unusual floor plan of this home is practical and offers two bedrooms downstairs with the possibility of two more bedrooms upstairs. There is an abundance of wardrobe and linen space, with a convenient coat closet in the vestibule. A feature of the living room is the expansive window space on the front wall. The elevation indicates a landscape window in the center of a triple opening which is in substance a plate glass sash, not broken up with bars or other obstructions. If desired the plastered arch between the living and dining room could be changed to a colonnade effect or French doors. The convenient kitchen would work out equally well if the cabinet was placed across the entire side wall and the sink included as part of the cabinet, under the window. The refrigerator has been given space on the grade landing.

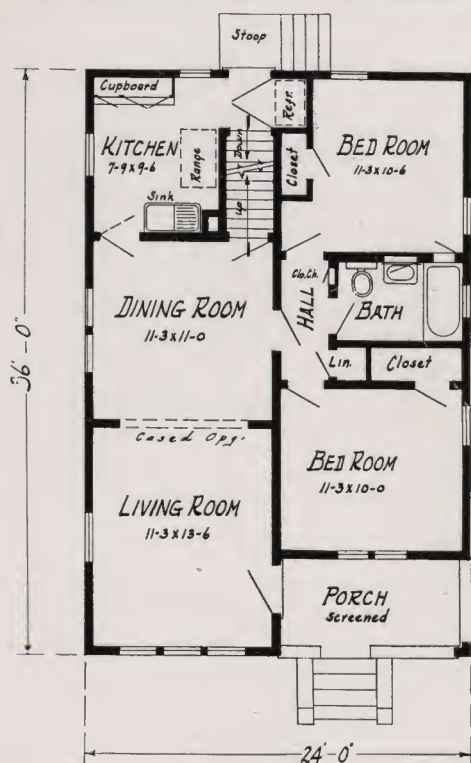


FLOOR PLAN





HOME BW-922



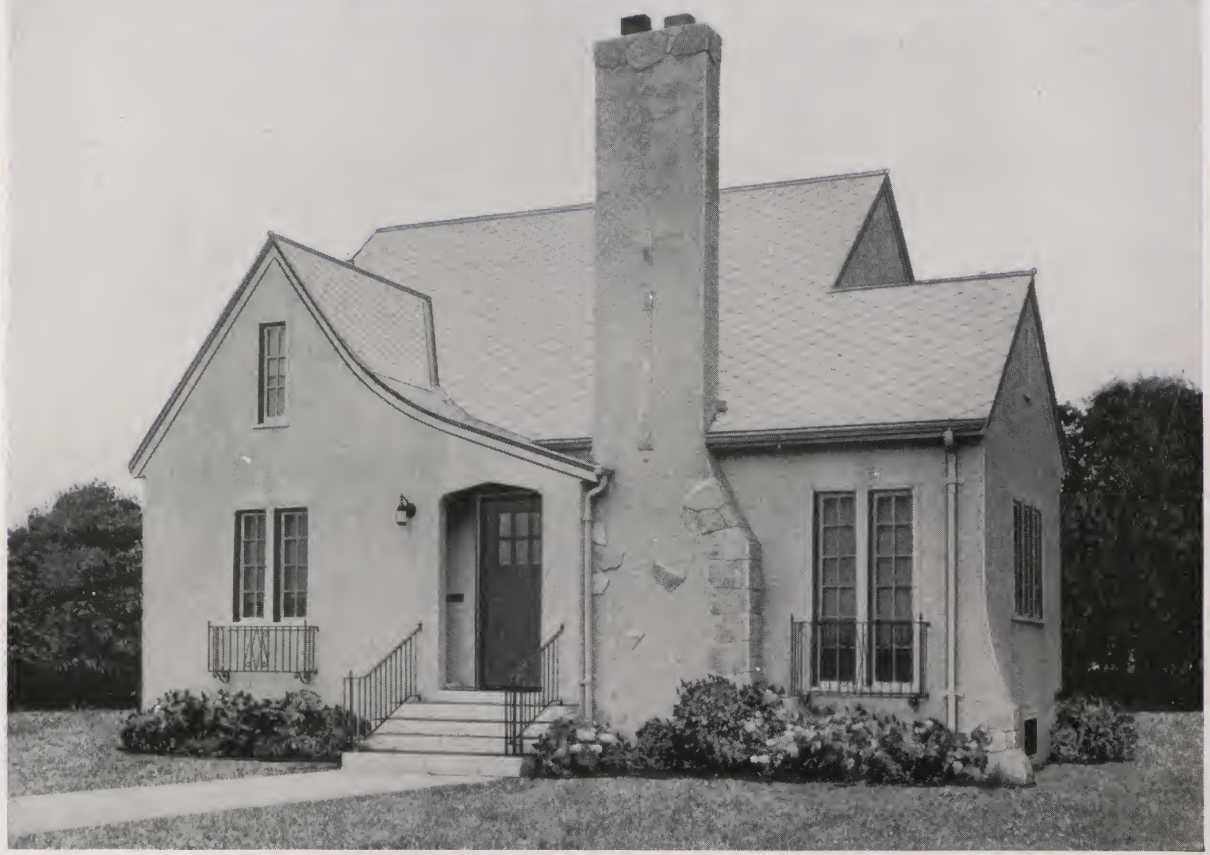
FLOOR PLAN

## Expressing Comfort Plus Economy

Size: 24 x 36 ft.

THE simple lines and cozy appearance are the first distinctive characteristics of this little inexpensive bungalow. It is built low which enhances its appearance and makes it all the more desirable to own, combined with the fact that it can be easily and very economically built by virtue of the simple lines, standardized window openings, etc. The stucco effect shown is pebble dash. The floor plan follows the usual bungalow layout which is hard to improve. The floor plan indicates the usual number of rooms contained in a bungalow of this size. They are arranged so that a maximum amount of space has been given to each room. A fireplace could very easily be placed on the outside wall of the living room. A feature of this bungalow is the porch which will be very much appreciated when it is screened in the summertime.



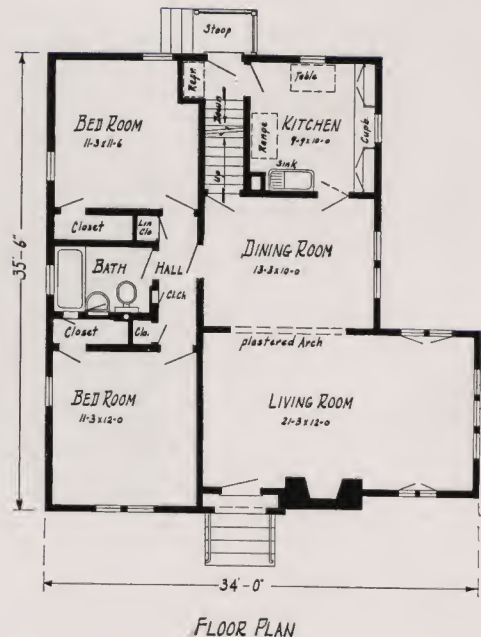


HOME BW-925

## A Restful Home In Pleasing Proportions

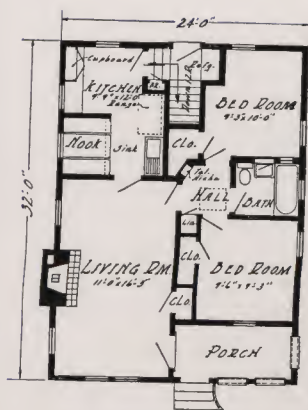
Size: 34 x 35-6 ft.

THIS home can well be considered a variation of the English type. The most conspicuous and interesting feature is the chimney in front. Placed as they are in this home, the chimney and entrance are attractive and appealing details. The irregular roof lines and the trimming of ornamental iron tend to give the entire elevation a very appealing balance. In order to appreciate the true beauty of this cottage one must imagine the application of an attractive color scheme. Treatment of the interior could carry the thought that is expressed in the elevation; rough cast plaster, a mantel of proper design and beam ceilings would suggest the English treatment. The floor plan includes all of the essentials in detail and layout that go to make a home comfortable. The stairway can lead to a spacious attic or an additional bedroom on the second floor.



FLOOR PLAN





FLOOR PLAN

Size:

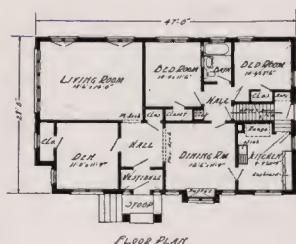
24 x 32 ft.



HOME BW-927

THIS bungalow immediately arrests the attention of the home builder who is interested in combining exterior beauty and good plan in the bungalow type home. The floor plan is not only very good in arrangement but all of the necessities and modern features are provided for. The spacious living room contains an attractive

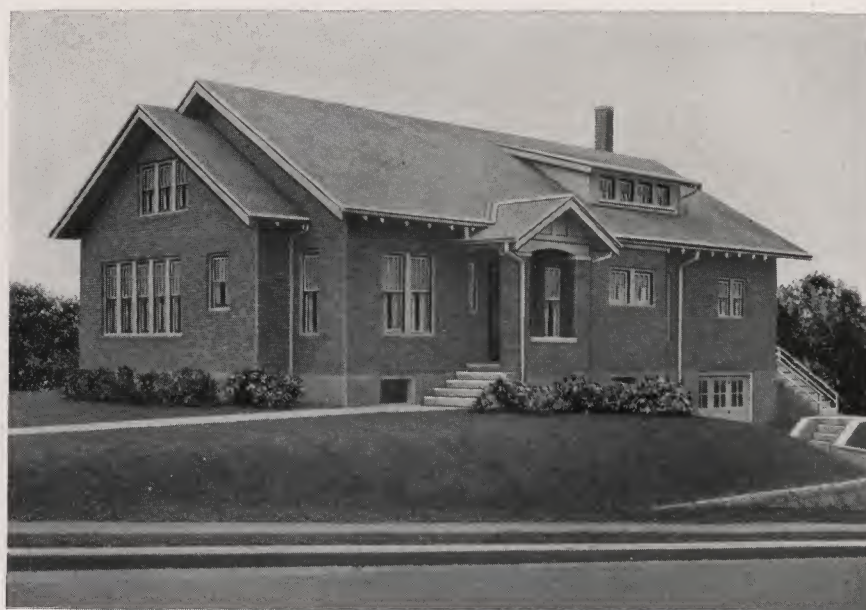
mantel centered on the long wall. A coat closet is provided just inside of the entrance door. A breakfast nook is included in the kitchen plan and an unusual feature in a bungalow of this size is the porch; this is especially appreciated when screened in summer, giving an opportunity to enjoy the breezes.



FLOOR PLAN

Size:

47 x 28 ft.



HOME BW-930

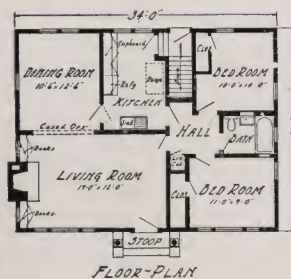
BY COMPARISON with the design shown above this is quite a large bungalow. The home from which this photograph was taken was occupied by a doctor who used the den as his office. However, a den is a very acceptable room and can be considered a feature of this home. This plan specifies all of the usual

rooms in good size and good arrangement. You will note from the exterior that a garage is provided in the basement under the kitchen. To include this feature the floor plan would have to be altered somewhat. The design is shown in brick although it would lend itself equally well to stucco or frame siding.





HOME BW-932



Size:  
34 x 26 ft.

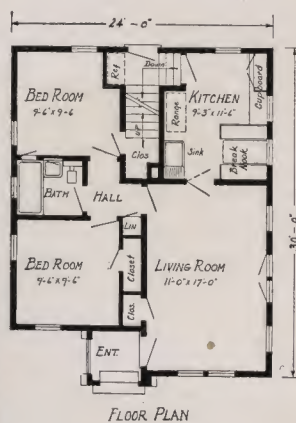
FOR the lover of the Colonial type of bungalow, this design will undoubtedly strike his fancy. The popular conception of a Colonial bungalow is faithfully depicted here. Its proportions are just right. The hooded entrance with its pillars is a vital part of the design, and the windows

on either side, supplemented by flower boxes round out a stunning effect. Quite a sunny atmosphere is given to this home by the liberal use of windows.

There is a particularly well laid out interior, containing five rooms which include two bedrooms; and most of the conveniences now in demand.



HOME BW-935



Size:  
24 x 30 ft.

THE demands of the family with a very limited capital may be taken care of in a "Spanish" type as well as other styles. The design shown will be found admirable for the modest builder, as it is a neat and compact building containing nothing that would create any undue expense. It still retains a distinctive style that is well adapted to its size. It is a cozy little place,

a favorite type among builders of small homes and is ideal for a young couple.

Contains a long living room and two bedrooms. The breakfast nook is used in lieu of the dining room, but one end of the living room can be used when the necessity arises. There are good closets, and most of the conveniences that help to make a comfortable home.

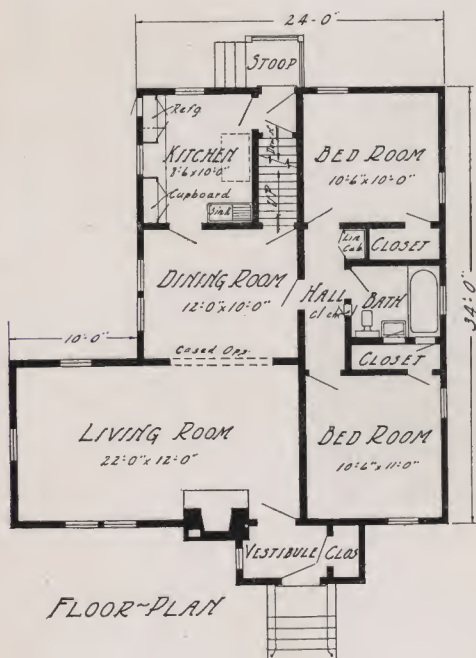




HOME BW-937

## An Interesting Cottage In Color — Well Designed

Size: 24 x 34 ft.



HERE is a small home that embodies unusual character irrespective of the attractive color. The details of the home suggest that feeling, "here is comfort." It is very unusual, a siding home with a predominating stone chimney of this sort, but the home from which the photograph was taken was so imposing, so interesting, that it was immediately selected for representation in the book. This home is small and economical to build. It is interesting by virtue of its good proportion and interesting detail.

The plan arrangement is in keeping with the thought of comfort that encompasses this home, two bedrooms on the first floor and another on the second floor if desired. Ample closet space and wall space permit the proper placing of furniture. The kitchen is well planned for the saving of steps; the wall cabinet could include the sink if desired.



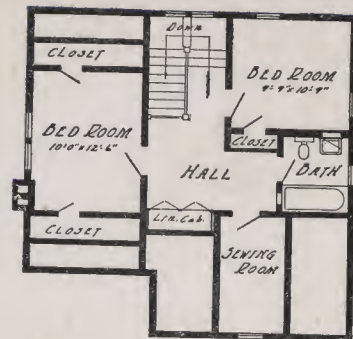


HOME BW-940

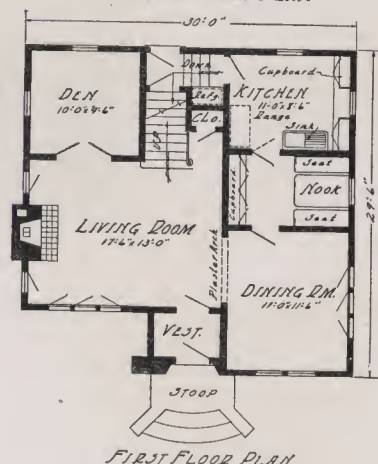
## Just A Cottage Among Hollihocks and Roses

Size: 30 x 29-6 ft.

ENHANCING in its quaintness, this home is sure to fall into immediate popularity because it is well planned, very attractive and "cosy-looking." It accentuates that thought "this is home" clearly expressing the feeling of comfort that is so desired in a home. On the interior of this design we find the thing that is expressed by the exterior, an attractive plan well thought out that embodies all the essentials for utmost convenience. The den in the rear of the living room is one of the unusual features in a small home of this type. If the home builder has no longing for a room of this kind it can easily be converted into a music room. If the scenery at the rear of the home is attractive, casement windows could be placed across the entire rear wall of the den.

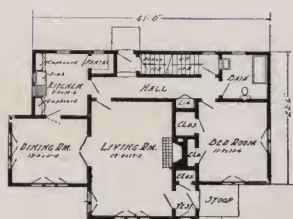


SECOND FLOOR PLAN



FIRST FLOOR PLAN





FLOOR PLAN

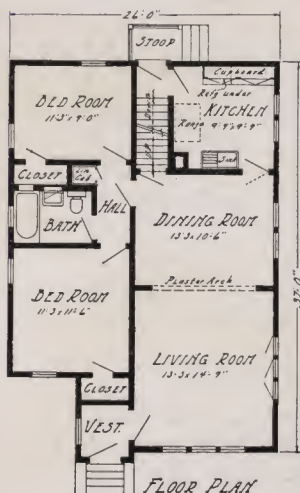
Size:  
41 x 22-6 ft.



HOME BW-942

THIS is another of the homes that come under the classification of cottage type. In the same color scheme as the home shown on the previous page this home would be equally attractive and the floor plan is so distinctly different that a good contrast is offered. The floor plan in this case provides one bed room

downstairs and two bed rooms on the second floor. The kitchen includes a pantry; however, if a larger kitchen is desired the back pantry wall could be brought across to meet the wall of the hallway and in this way the size of the kitchen would be considerably increased.



FLOOR PLAN

Size:  
26 x 37 ft.



HOME BW-945

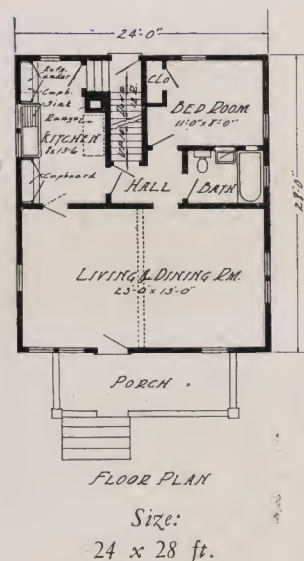
THIS bungalow has been a favorite with many, due to the fact that it is possible to have an extra room upstairs. Aside from that, the home is an economical one to build, as it is very compact—no waste space whatsoever, and nothing intricate about the design to cause ad-

ditional expense. The "cuteness" of the small dormer is not lost, being just the touch necessary for relief from an otherwise ordinary roof. The interior is of the conventional bungalow layout, but it includes everything necessary for a comfortable home.





HOME BW-947

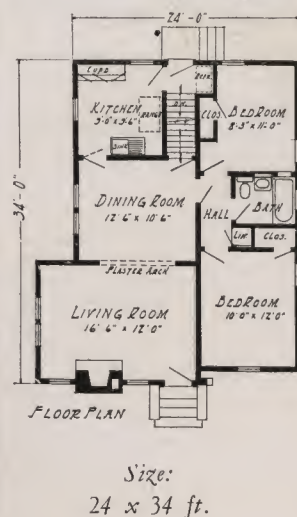


IN THIS home we have probably the most economical home to build that is shown in this book. It is small, compact, and of material that comes under the more economical classification. All of the rooms essential for comfortable living are provided, with the possible

addition of two small bedrooms on the second floor, if a dormer is placed in the rear part of the gable roof to permit the placing of a stairway. The entrance door could be put a little further to the right than it is shown and break the combination living and dining room with a plastered arch.



HOME BW-950



MANY interesting architectural details make this an interesting bungalow. The broken wall lines, double gable effect and the chimney being built up as a part of the entrance combine in making the elevation very distinctive. Other interesting details which would show to a better advantage with color contrast

are the window shutters, iron grille, plastered recess over windows, and the plaster panel in the chimney. The interior arrangement is excellent; a good sized living room with well placed fireplace opens into the dining room through a plastered arch. The compact kitchen, two bedrooms and bath complete the plan.





*Beautiful Windows*



*Artistic Cabinets*

## The Home Can Be No More Attractive Than Its Woodwork

**D**ESIGN is naturally the primary factor in home beauty and practically all of the interior is basically woodwork; interior trim, doors, cabinetwork, stairways, and so the proportion of the design is primarily the keynote of interior harmony. The importance of woodwork is emphasized by the fact that it is the permanent furniture of the home. As years roll along the interior is changed with the addition of furniture, changing of draperies, painting of the woodwork, and the treatment of the walls but the woodwork ever remains and of good design and in good proportion will always be interesting. Woodwork as it grows older becomes more beautiful providing it is not poorly designed.

*"Bilt-Well" Millwork is the choice of the discriminating home builder.*

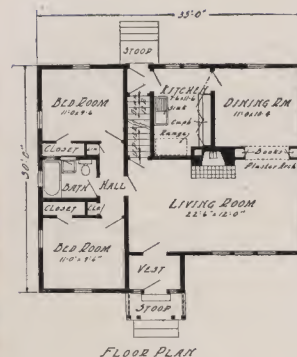




HOME BW-952

THIS very attractive bungalow is in good design and proportion. The good sized living room has an attractive mantel centered on one wall. The arched opening to the dining room is provided with bookcases. Two bedrooms are provided on the first floor and, if desired, a dormer can be built into the rear roof providing a

good access to two bed rooms on the second floor. It is suggested that the ceiling joints be made sufficiently heavy so that the second floor bedrooms may be considered a further development. The exterior of the home is especially pleasing in proportion and has a delightful color scheme.



FLOOR PLAN

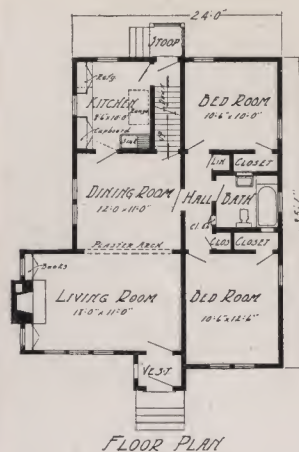
Size:  
35 x 30 ft.



HOME BW-955

THIS is a colorful little home, with its warmed tone plaster exterior, brick trimming, and rounded entrance. There are many little decorations that influence the style considerably, greatly enhancing the effect. Brightness of color goes hand in hand with a bungalow of this style and too much stress cannot be placed on the neces-

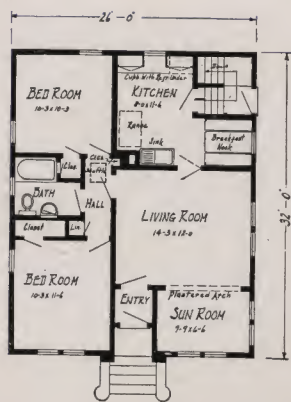
sity of using vivid tints, even the shade of the roof playing a big part, as well as the brickwork. It is very cozy and attractive and although not a large home, it can be very comfortable. Five rooms, including two bedrooms, make a well planned interior, suitable for most anyone who desires a bungalow of this type.



FLOOR PLAN

Size:  
24 x 35-6 ft.





FLOOR PLAN

Size:  
26 x 32 ft.

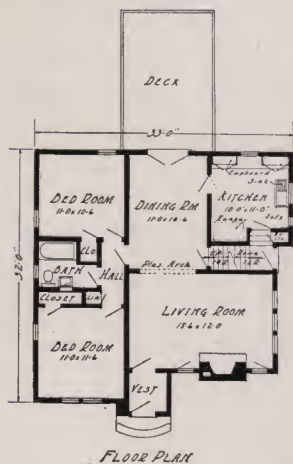


HOME BW-957

**I**T MUST be true that good things come in small packages, because in this home there is included practically every convenience that the average home builder today is asking for.

The exterior is simple in design, permitting of great economy in building. A slight improvement would be to stucco down to a brick soldier course

at the grade. A large living room shows excellent planning of wall space; included is a sunparlor, not large but extremely comfortable. An efficient kitchen that saves steps, with a breakfast nook placed just right, will be a joy to the housewife. Two bedrooms with ample closets, clothes chute, and linen cabinet, convince one that the very best has been done on this plan.



FLOOR PLAN

Size:  
33 x 32 ft.



HOME BW-960

**A**S WE look at the floor plan and note the large amount of room in this bungalow the elevation appears to be deceiving; two bedrooms on the main floor with the possibility of a third upstairs if a dormer is built out of the gable roof at the rear. A beautiful perspective

greet us; as we enter this home, one can look directly through to the dining room far wall where a pair of French doors open onto a balcony. This balcony is the roof of the garage. In order to visualize a color scheme for the exterior of the home we would refer you to page 45.

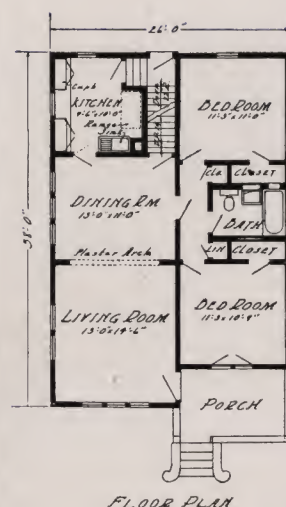




HOME BW-962

THIS home is representative of the economical frame type bungalow. With the proper paint combination applied, this home would make an unusually attractive cottage. There are two bedrooms each with ample closet space and two small linen cases are also built into the hallway. All rooms are quite sizable for a home of

these small dimensions, and there is the possibility of adding a bedroom upstairs. In the event that the second floor is to be used only as a storage space it may be well to use a disappearing stairway in the hall and utilize the present stair space as a convenient coat closet. The front porch when screened in summer will be very much appreciated.



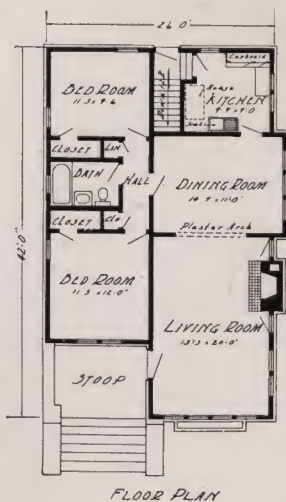
Size:  
26 x 38 ft.



HOME BW-965

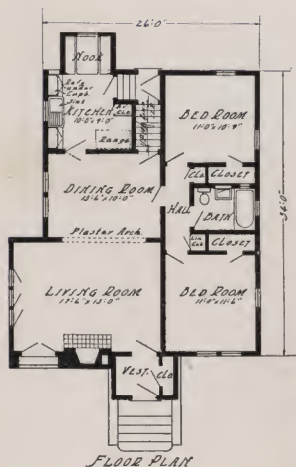
THERE are many variations of this popular type bungalow where the brick is run up to the sills of the windows. The floor plan in this particular design seems to be unusually well laid out. The living room is spacious and the fireplace is well placed. A small set of book shelves could attractively be placed between the

fireplace and dining room wall. A well planned kitchen, dining room, two bedrooms, and ample closet space complete the arrangement. It should be noted that there is no stairway leading to the attic because of the very flat roof, however, it is found advisable to use this attic space. A disappearing stairway is recommended to be placed in the hall.



Size:  
26 x 42 ft.





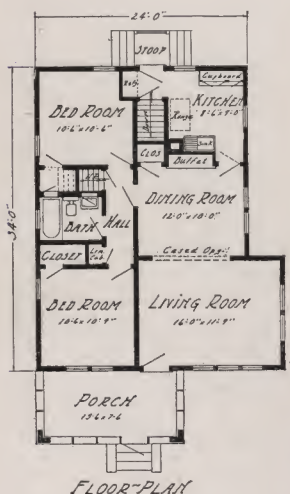
Size:  
26 x 34 ft.



HOME BW-967

HERE is an unusually good floor plan in the bungalow type home. One can easily visualize this living room attractively furnished. The French doors as shown in the front elevation could be changed to a pair of high-up casement sash with bookcases underneath if desired. The kitchen is well planned and provides

a breakfast nook. The exterior resulting from this floor plan is one of great flexibility. Many unusual effects can be accomplished with this projecting entry and fireplace. This home lends itself to a combination of stone and stucco or brick and shingles or many variations of the material shown.



Size:  
24 x 34 ft.



HOME BW-970

“IT MUST be siding with a screened and glazed-in porch in front, and a little dormer on one side to balance. The living room must be of fair size and well lighted and have good wall space for furniture.” This little inexpensive and comfortable home fits the description. There are also

two bedrooms with closets, a linen cabinet and stair to the attic. The good sized dining room has a very handy closet for general uses. The kitchen is small but well arranged to take care of the average housewife's demands—in all providing a small home that is very complete.

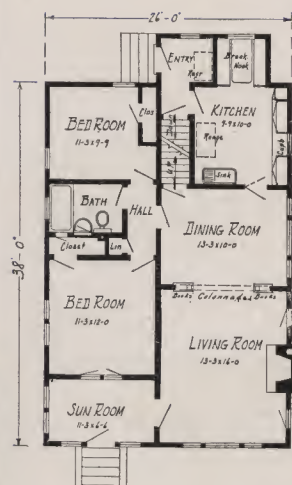




HOME BW-972

**C**OULD you see this home with its float finish of stucco, its trimming of deep brown, amidst a setting of trees, you would agree with us that it is a very attractive little bungalow. It is a charming little home, with a somewhat rustic appearance, and although simple in design, it possesses good artistic principles. The living and

dining rooms are practically one, separated by a wide opening. The small enclosed entry adjoining the kitchen is a boon to the housewife. There is a well planned kitchen with breakfast nook, two bedrooms and sunroom to make this charming little bungalow home a very comfortable and satisfying place.



FLOOR PLAN

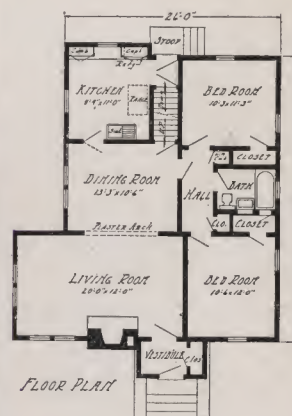
Size:  
26 x 38 ft.



HOME BW-975

**H**ERE is a design of bungalow that has achieved great popularity and a second glance is not necessary to discover the reason. It is a very charming little home, with its chimney in front linked with the entrance, both trimmed with stone, artistically placed. The interior plan is a familiar one, but nevertheless

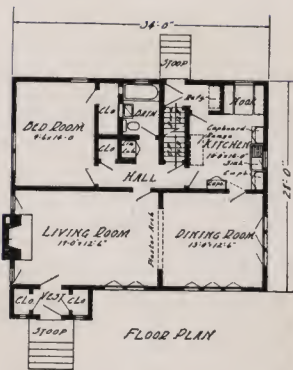
very satisfactory and affords the home owner most of the modern accommodations he demands. It contains five rooms which include two bedrooms. The exterior is decidedly attractive with its irregular stones around the entrance door and placed here and there in the chimney and around the entire base.



FLOOR PLAN

Size:  
26 x 34 ft.





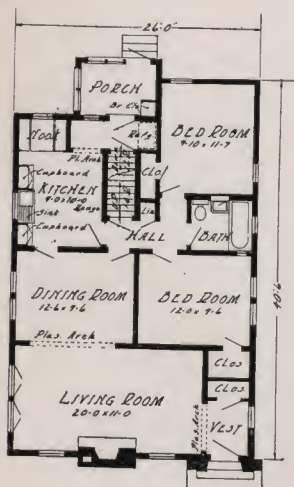
Size:  
34 x 28 ft.



HOME BW-977

THE variegated roof with cream color stucco and white trimming presents a wonderful combination for this home. The floor plan is also unusual for the bungalow type. The kitchen is especially well arranged and includes a breakfast nook. The bath and one bedroom are

included on the first floor and two bedrooms can be finished on the second floor, either at the time of erection or as a future development. The living room and dining room running across the entire front of the house, as it does in this case, makes a very pleasant room arrangement for the housewife.



Size:  
26 x 40-6 ft.



HOME BW-980

THIS floor plan has two bedrooms downstairs and the possibility of at least one fair sized bedroom upstairs. The bath room is downstairs, as is also a conveniently placed linen case. The kitchen is one of the kind that any woman would enjoy working in; a convenient arrangement requiring no waste steps. A breakfast nook is

part of the convenience. The rear porch will be an appreciated convenience, especially for summer washing. The elevation is one that we would like to have you again consider as being very flexible. Many unusual effects could be worked out in trimming this elevation to suit the most discriminating.





KITCHEN CABINET BW-1091

prehensive selection of designs will be required by the prospective home builder and this catalog should be referred to for selection; there are 325 pages of every kind of woodwork for the home. Today with built-in equipment at so high a state of development you may call a home convenient and easy to keep—or the opposite—depending upon the built-in features. A home maybe of brick, wood, stone, or stucco, it may be a compact two story structure or a spreading one floor bungalow as the owner may choose but the beauty and the convenience of that home will be largely determined by

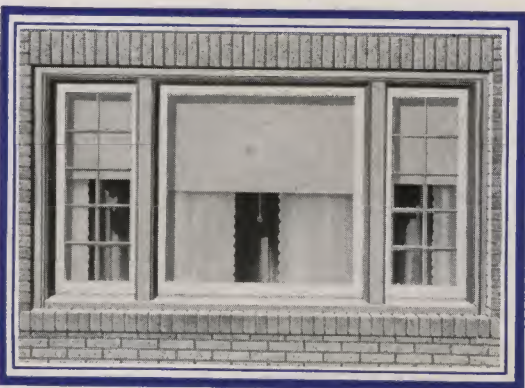
## Woodwork is the Determining Factor in Home Beauty

*Bilt-Well Millwork Is Produced By Master Craftsmen From Selected Lumber*

**H**AVE you seen the recent Catalog No. 40 of Bilt-Well Millwork? Throughout this plan book designs or pages of designs are shown that have been selected at random from the large catalog, however, a more com-



KITCHEN CABINET BW-1095

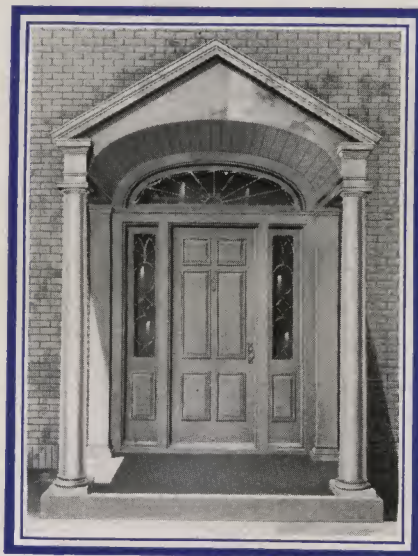


TRIPLE OPENING BW-669

the selection of the millwork. Many designs of entrances are shown similar to the design below. Who has not seen entrances that radiate welcome, hospitality and good cheer? Necessary to these accomplishments are good design and good proportion. At the lower left a group of trim is shown taken from one of the catalog pages; the catalog also illustrates enumerable mouldings that can be used in accomplishing interesting trim effects and several pages as shown below which group various mouldings into harmonious trim effects.



TRIM BW-914

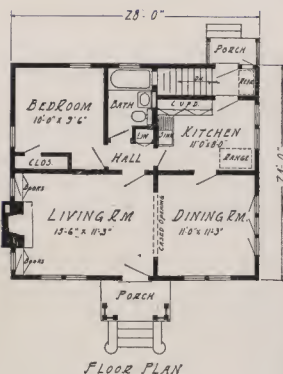


ENTRANCE BW-421



CASE BW-1065





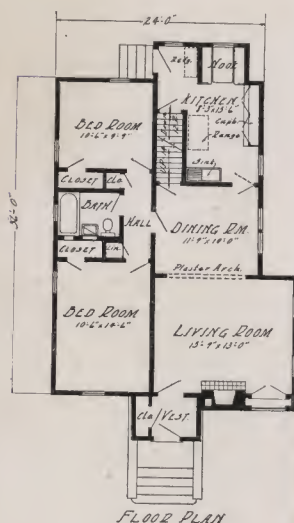
Size:  
28 x 24 ft.



HOME BW-982

THAT'S someone's love-nest" is the expression that would aptly describe this little colonial bungalow. There is a sentiment about this delightful little home that one is sure to sense—a feeling that it was designed especially for some young couple. It is a pretty little place and the shingle construction surely adds to its beauty

although wide siding would not be unattractive. The flower boxes if kept well supplied with blooming plants will furnish just the necessary finishing touch. The room arrangement provides comfortable living quarters and for newlyweds it is hard to imagine any home which could be more desirable.



Size:  
24 x 36 ft.



HOME BW-985

ONE cannot well pass up observation of this attractive bungalow as the interesting details and color immediately arrest the attention. Not only are the details well worked out and in good proportion but the color harmony of the

details is very attractive. It will be noted that the floor plan is also modern in that it provides all of the essential rooms in good proportion and with ample wall space for the proper placing of furniture. A breakfast nook is well placed in the kitchen.



# Helpful Building Information

## Carpenter Work

**How to Estimate Studs:** For walls and partitions allow one stud to the foot for 16 inch centers. This will be sufficient allowance to include doubling of studs on corners, doors, and windows. Plates and other places requiring studding must be estimated separately. To estimate the number of studding required for plates, add together in feet the lengths of the outside walls and partitions which require plates and divide by the length of the studding used for plates. This amount doubled will give the number required for double plates on the outside walls and single plates top and bottom on partitions.

**How to Estimate Bridging:** Joists are almost always bridged, and studs occasionally. A rough estimate is 3' to every lineal foot for each row. For joists spaced 16" centers, it takes bridging 17" long for 2"x10" joist; for a 2"x12" joist 18½"; for a 2"x8" joist 16". For double or cross bridging it will then take twice that amount for each space of 16". Most lumber yards sell bridging already cut to fit any spacing or size of joist at so much a piece and in that case it would only be necessary to figure out the number of pieces required.

**How to Estimate Sheathing:** To estimate the quantity of sheathing, calculate the exact surface to be covered, deduct the openings and then add the following:—For floors 1/7 or 15%; for side walls 1/6 or 17%; for roofs 1/5 or 20%. Sheathing and ship-lap are sometimes nailed diagonally on sidewalls and floors, then add 7% more to the previous figures for the waste, as each board has to be cut at both ends. Sheathing is sometimes spaced 2" on roofs and a deduction of about 1/6 should be made from the total area. A rule often used in figuring wall sheathing is to get the surface area without deducting openings, allowing the openings for waste.

**How to Estimate Ship-lap:** Get the exact surface and allow for the floors 1/6 or 17%; for sidewalls 1/5 or 20%; for roofs ¼ or 25%. The exact surface or the number of board feet of sheathing or ship-lap is found by multiplying the outside measurement of the building by the height of the studding to which add for gables. The surface of a gable is found by multiplying the width of the building by half the height from the plate to the ridge of the roof.

**How to Estimate Floors:** There are two classes of flooring, namely dressed or square edged flooring, or dressed and matched flooring. The square edged flooring ordinarily has a face width about ½" less than its nominal width; thus a piece of 6" square edged flooring has a face width of 5½", a 4" piece has a face width of 3½". The loss in case of the 5½" face flooring is 1/11 and in case of the 3½" face, the loss is 1/7. But in addition to these mill losses, there is generally waste owing to bad ends, etc., so that after estimating the exact area of the floor, add the following:—For 6" flooring 1/9 or 11%; for 4" flooring add 1/5 or 20%; which gives the number of board feet required.

For estimating dressed and matched flooring, get the exact area and add the following:—For 6" flooring add 1/6 or 17%; for 4" flooring add ¼ or 25%; for 2¼" flooring add 1/3 or 33 1/3%; and for 1¾" flooring add 5/12 or 42%, which gives the number of board feet required.

**How to Estimate Siding:** In estimating siding, calculate the exact surface, deducting openings and add 1/3 or 33% if 6" siding with 4½" to 4¾" to the weather; add 2/5 or 40% for 5" siding; add ½ or 50% for 4" siding to the actual surface which was found under the item sheathing. 6" siding is generally laid 4½" to the weather, 5" siding 3½" to the weather, and 4" siding 2½" to the weather.

## Roofing

**Roof Pitch:** The pitch of a roof is taken from the level of the walls to the ridge. A ¼ pitch is ¼ of the span over the walls; 1/3 pitch is 1/3 of the span, etc. Thus a 24' span would on a ¼ pitch give a rise of ¼ of 24' or 6'. A convenient rule to get the length of a rafter for a ¼ pitch roof is to multiply the span by 7/12; for a 1/3 pitch multiply span by 3/5; for 3/8 pitch by 5/8; for a ½ pitch by 7/10; for 5/8 pitch by 4/5.

**Shingles. (CEDAR):** Lay shingles 4½" to 5" to weather when slope of roof is ½.

Exp. to Weather Inches	Width of Shingles	
	4"	6"
4"	900	600
4½"	800	540
5"	720	480
6"	600	400
7"	514	343
8"	450	300

Above allows for no waste.

Allow 6% on plain work.

Allow 10% on hip, gambrel, etc.

Shingles are figured as 1000 shingles 4 inches wide, four bunches to 1000. For siding and wall, lay shingles 5" to weather.

Dimension shingles are 4, 5, and 6 inches wide.

One man should lay 1200 shingles in 8 hours on plain work and 900 per day on irregular work.

Use 5 lbs. of 3 penny per 1000.

Use 7½ lbs. of 4 penny per 1000.

## Brick Work

**Brickwork:** Brickwork is generally measured by the one-thousand bricks laid in the wall. Different methods of computing the number of bricks are followed in different sections of the country. The most general is to allow some certain number to the square foot for the different thicknesses of walls built. If there are many belts of cut stone, terra cotta, etc., they should be deducted, or too many actual bricks may be sent to the building.

Every sq. ft. of 4" to 4½" in thickness equals 7 brick.  
Every sq. ft. of 8" to 9" in thickness equals 14 brick.  
Every sq. ft. of 12" to 13" in thickness equals 21 brick.  
Every sq. ft. of 16" to 17" in thickness equals 28 brick.  
Every sq. ft. of 20" to 21" in thickness equals 35 brick.  
Every sq. ft. of 24" to 25" in thickness equals 42 brick.



This method gives the actual brick required, allowing for waste and breakage but not the number in wall measure which would be on the basis of  $7\frac{1}{2}$  brick for each 4". To find the number of brick by this rule, find the number of actual square feet in a wall and multiply by the number in table for a wall of that thickness. Usually half the openings are deducted. No allowance is made for very small openings.

**Actual Quantity:** From the table 21 bricks are required for a cubic foot, but 18 are enough of the national size which is becoming the standard  $2\frac{1}{4} \times 4 \times 8\frac{1}{4}$ . The actual number will usually run about  $\frac{2}{3}$  of the wall measure when the openings are about the average number and size.

**Mortar per 1000 Brick:** For 1 to 3 cement and sand mortar allow  $1\frac{1}{2}$  bbl. of cement and  $\frac{5}{8}$  of a yard of sand. For a good lime and cement mortar allow  $\frac{1}{8}$  bbl. lime,  $1\frac{1}{4}$  bbl. of cement and  $\frac{5}{8}$  yard of sand. For good lime allow  $\frac{1}{2}$  bbl. lime and  $\frac{3}{4}$  yard sand. Mortar colorings, red,  $\frac{3}{8}$ " to  $\frac{1}{2}$ " joints, allow 1 bbl. to 6,000 or 50 to 60 lbs. per 1000 brick. Mortar coloring, red,  $\frac{1}{4}$ " joints, allow 1 bbl. to 8000. Coloring comes in barrels of 500 lbs. Fire clay, 1 ton to 7000 to 8000 brick, used for fire brick and flue lining.

**Chimneys:** Chimneys are usually estimated by the lineal foot in height. A bricklayer and laborer will lay on an average of 500 common brick a day on short chimneys; if the greater part is above the roof, the number is less.

Number of bricks required for small chimneys.

No. of Flues	Size of Flues	Size of Chimney	No. Brick to Foot
1	$8\frac{1}{2} \times 8\frac{1}{2}$	17x17	29
2	$8\frac{1}{2} \times 8\frac{1}{2}$	17x29	49
3	$8\frac{1}{2} \times 8\frac{1}{2}$	17x37	66
1	$8\frac{1}{2} \times 13$	17x21	34
2	$8\frac{1}{2} \times 8\frac{1}{2}$ & $8\frac{1}{2} \times 13$	17x33	54
2	$8\frac{1}{2} \times 13$	17x37	59
3	$8\frac{1}{2} \times 13$	17x54	86
1	$8\frac{1}{2} \times 16$	17x25	38
1	13 x 13	21x21	33
2	13x13 & 8"x4"	29x37	108
1	13 x 16	21x25	44

## Lathing

Lathing is always estimated by the square yard, and in the measurement of same no allowance is made for openings of an ordinary size. The table given below will show the number of lath required per 100 square yards:

Lath  $\frac{3}{8} \times 1\frac{3}{8}$  in. x 4 ft. requires 1,400 lath per 100 sq. yds.

Lath  $\frac{3}{8} \times 1$  in. x 4 ft. requires 2,200 lath per 100 sq. yds.

## Plastering

Plastering is always estimated by the square yard, and in the measurement of same no allowance is made for openings of an ordinary size. The following table will show the amount of material required for 100 yards of plastering:

**Hard Wall Plaster:** Drawn work, two coats and one coat lime finish:

9 sacks hard wall plaster.  
1 yard sand.  
2 bushels lime.  
1 sack hard wall finish.

**Dry Work:**

10 sacks hard wall plaster.  
 $1\frac{1}{2}$  yards sand.  
2 bushels lime.  
1 sack hard wall finish.

## Painting

Particular attention should be given to the use of plenty of good paint on all frame buildings; its use adds from 100 to 200 per cent. to the life of the buildings, and is one of the best investments the builder can make; it not only preserves the life of the wood to a wonderful degree, but adds beauty to the home.

When estimating quantity of paint required for a given surface it is impossible to set forth a rule that will apply in all cases, owing to the variation in thickness of the paint used and kind of wood or other material to which it is applied, the age of the surface, etc. The following is an approximate amount for ordinary work: One gallon of mixed paint will cover from 200 to 250 square feet of wood surface two coats, if the surface is not too aged. When mixing paint the following proportion of materials is an average:  $6\frac{1}{2}$  to 7 gallons of linseed oil to each 100 pounds of white lead.

## Concrete Work

Ingredients in One Cubic Yard of Concrete:—

Sand-voids, 40%; stone-voids, 45%; Portland-cement barrel yielding 3.65 cu. ft. of paste. Barrel specified to be 4.4 cu. ft.

Proportions by volume . . . . .	1:2:4	1:2:5	1:2½:5	1:3:5	1:3:6
Barrels cement per cubic yard concrete. .	1.30	1.16	1.07	0.96	0.90
Cubic yard sand per cubic yard concrete. .	0.42	0.38	0.44	0.47	0.44
Cubic yard stone per cubic yard concrete. .	0.84	0.95	0.88	0.78	0.88

To order material for a job that contains, for instance, 150 yards of concrete of a 1:3:5 mixture, it is only necessary to use the above table as follows:—

In the column for the 1:3:5 mixture opposite the barrels of cement per cubic yard is the factor 0.96 opposite cubic yards of sand 0.47 and opposite cubic yards of stone 0.78.

Each yard of concrete will require:—

0.96 barrels of cement, 0.47 cubic yards of sand, and 0.78 cubic yards of stone.

The total of the work will be:

150x0.96 = 144.00 barrels of cement.

150x0.47 = 70.50 cubic yards of sand.

150x0.78 = 117.00 cubic yards of stone.







